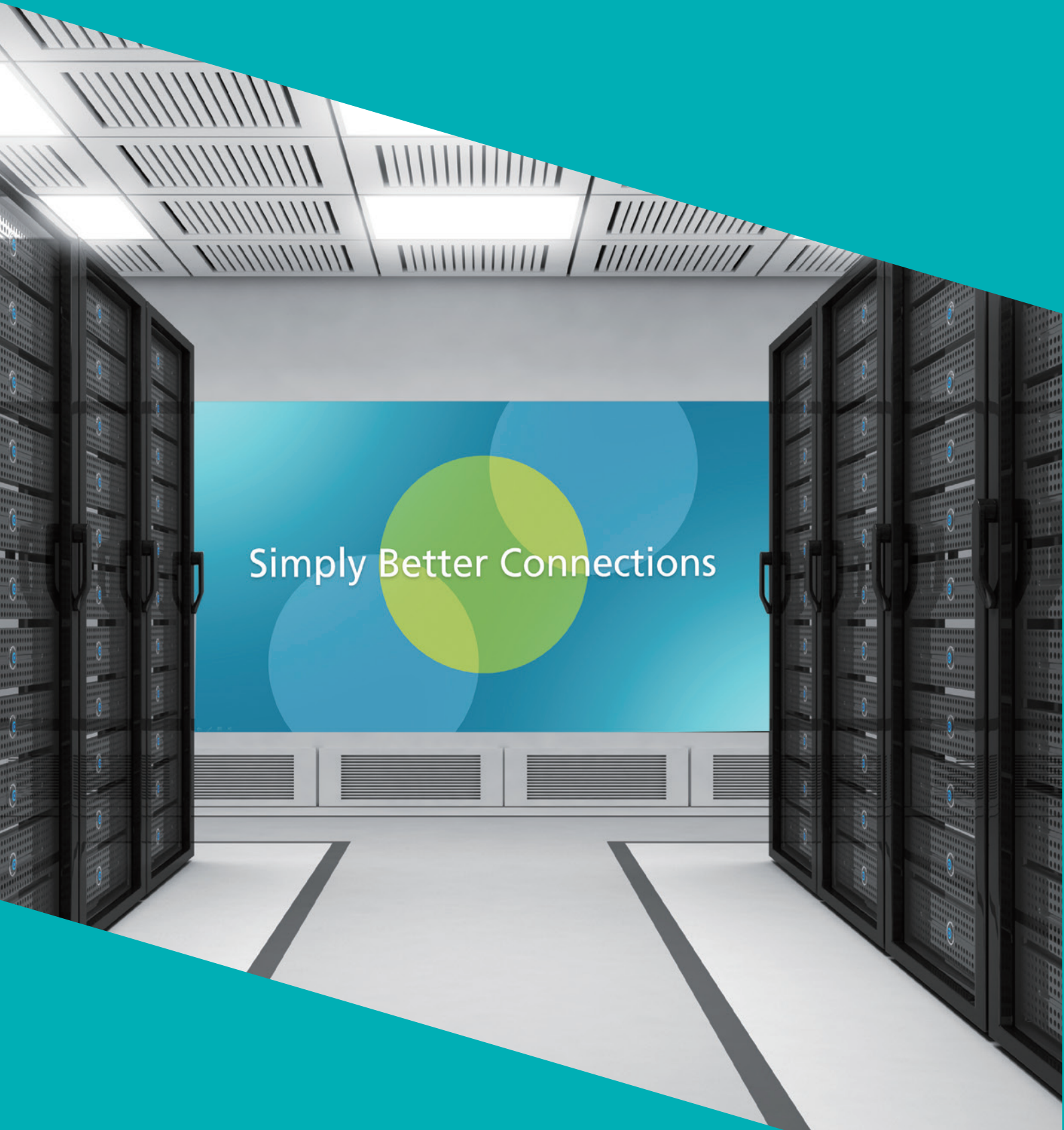




Product Catalog

## ATEN NRGence™ Energy Intelligence PDU

The background of the page is a photograph of a server room. On the left and right sides, there are rows of black server racks filled with various electronic components. The floor is light gray with dark gray lines forming a path that leads towards the back of the room. The ceiling is white with a grid of square ventilation panels. In the center of the image, there is a large, semi-transparent graphic consisting of three overlapping circles: one light blue, one medium blue, and one green. The text "Simply Better Connections" is overlaid on this graphic in a white, sans-serif font.

Simply Better Connections

2017 | 2018



# Simply Better Connections

## Our Vision

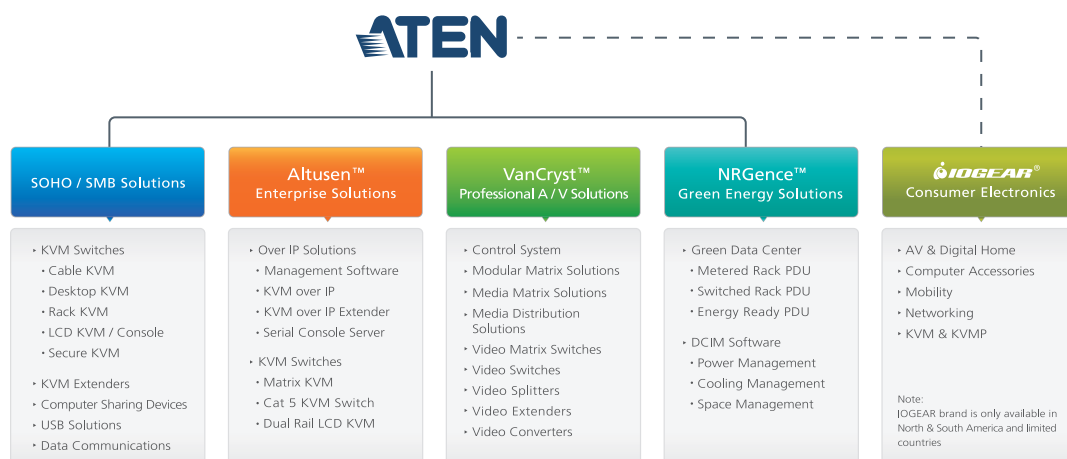
“Simply Better Connections” has always been at the heart of the ATEN brand. It means providing innovative solutions for you to make better connections, efficiently and seamlessly, to the information and people that you value. As a result, ATEN connects you to the world, anytime and anywhere, by providing technologies that enable you to share and to care. ATEN makes professional and personal life easier and better connected.

## About ATEN

ATEN, established in 1979, specializes in connectivity management solutions for accessing and sharing technologies. ATEN consolidates all of its products under the ATEN brand to provide a standard of consistent service under one name. The ATEN brand consists of innovative solutions applied to IT infrastructure access management, professional audio/video, green energy products for consumers, small/home offices (SOHO), small to medium sized business (SMB) and enterprise customers.

ATEN's Altusen™ IT infrastructure access management solutions offer connectivity and control capabilities for SMB and Enterprise customers that allow people to effectively manage IT equipment from anywhere in the world. ATEN's VanCryst™ professional audio/video solutions offer signal management and system control for home and professional audio/video installations with a variety of applications in corporate, education, government, hospitality and home theater environments. ATEN's NRGence™ Green Energy line offers sensor-enabled energy-saving hardware and software solutions for the data center with a range of intelligent power distribution units that provide real-time energy management and performance indicators locally and remotely.

ATEN specializes in connectivity and management solutions. We distribute our products through a global sales network to meet a broad range of customer needs. ATEN delivers with quality and we care about our customers. We are committed to the best customer support in the industry.



## Our Core Values



**Integrity**  
with pragmatism as our philosophy



**Caring**  
with respect as our spirit



**Ambition**  
with optimism as our attitude



**Novelty**  
with added-value as our achievement

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# Company Profile



- Corporate Headquarters
- Asia-Pacific / Europe / America / Oceania
- R&D / Manufacturing



## Global Sales and Service Network

ATEN has built a global network of sales and engineering professionals to provide our customers with fast, efficient and comprehensive service. Our distribution channels and partners extend worldwide to more than 100 countries.



## ATEN eNews

ATEN eNews is a monthly publication featuring the latest ATEN product developments, marketing and promotional resources, and corporate activities.



### ATEN eService

ATEN eService is a web portal which provides several ATEN online services, including technical support, product registration, and partner services. All services can be accessed with a single ID and password.



### ATEN Partner Center

Authorized distributors can access the ATEN Partner Center to get the latest marketing materials, sales tools, technical documents, product certifications and more. Registered partners receive a monthly newsletter to stay up-to-date with ATEN's latest product news and events. ATEN also provides integrated marketing programs and promotions to assist partners in promoting ATEN products and services.

# ATEN NRGence™ Energy Intelligence PDU

At ATEN, we are committed to offering smart energy solutions for data centers. The NRGence™ Energy Intelligence solutions begin with a wide range of eco PDUs, developed to support ISO50001, that take intelligence to the next level by providing real-time energy management, control and energy-saving efficiency by allowing you to easily upgrade IT resources quickly and cost effectively. With long-term development in the data center solutions sector, ATEN's Energy Intelligence PDUs have been adopted in various industries all over the world, including Education, Government, Transportation, Enterprise and medium-sized businesses

## Featured Advantages of ATEN Energy Solution

### • Remote Power Outlet Control

ATEN eco PDUs allow administrators to remotely control the power of any server in a data center via network protocols including TCP/IP, UDP, HTTP, HTTPS, SSL, SMTP, DHCP, NTP, DNS, auto sense, Ping and Telnet. Administrators can remotely access any individual outlet and outlet groups to manage power (On/Off, Power Cycle) through an easy-to-use web interface..

### • Real-Time Monitoring

Using ATEN's eco Sensors Energy Management Software, administrators can remotely monitor the current, voltage, kWh, power consumption and circuit breaker status of all connected devices in real-time. In addition, the software can track the temperature and humidity via sensors connected to the PDU and provides a complete comprehensive report of all the data being monitored.

### • Proactive Overload Protection (POP)

ATEN's exclusive POP feature of PE6 / PE8 automatically powers off outlets in the event of a current overload to protect the other connected devices from being shut down unexpectedly.

### • Power Analysis Reports

ATEN's eco Sensors software provides power analysis for optimizing data center energy management – with reports that include power usage, power load, power cost, CO2 cost, power capacity and trends. Following suggestions generated by the software allows you to optimize energy usage and save energy without harming IT reliability. In addition, it displays essential data center indices including Rack Intake Temperature, Rack Exhaust Temperature, Rack Equipment Temperature Difference, RCI (Rack Cooling Index), RTI (Return Temperature Index), RHI (Rack Humidity Index), RPI (Rack Pressure Index) and RAI (Rack Airflow Index).

### • Advanced Hardware Design

ATEN offers a wide range of 0U and 1U PDU solutions with advanced hardware designs. In addition to standard and low profile designs, thin form factor design is available for saving more space in the rack to increase airflow, cooling efficiency and easier maintenance.

### • Complete Accessories

Proper accessories make the PDU installation easier and power management more efficient. In addition to the standard rack mounting kits, ATEN's exclusive cable holders can secure the connection of the power cords with the PDU outlets. ATEN environment sensors allow the real-time monitoring of your data center's temperature, humidity and pressure. Also, the door sensors assist the security management of the data center.



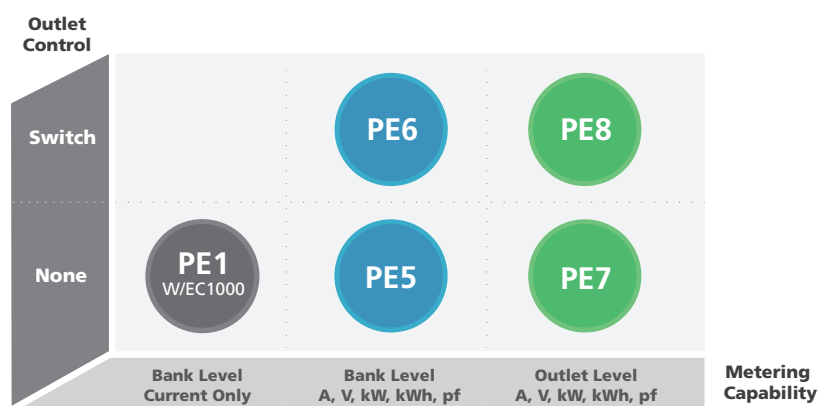


## PDU Comparison

|                               | Energy PDU<br>Basic 0U Rack PDU | eco PDU<br>Intelligent 1U Rack PDU |                  |                  |                  | eco PDU<br>Intelligent 0U Rack PDU                                     |                             |                  |                             |
|-------------------------------|---------------------------------|------------------------------------|------------------|------------------|------------------|------------------------------------------------------------------------|-----------------------------|------------------|-----------------------------|
| Model                         | PE1216<br>PE1324                | PE5108<br>PE5208                   | PE6108<br>PE6208 | PE7108<br>PE7208 | PE8108<br>PE8208 | PE5216<br>PE5221T<br>PE5224T<br>PE5316<br>PE5324<br>PE5324T<br>PE5342T | PE6216<br>PE6324<br>PE6324L | PE7216<br>PE7324 | PE8216<br>PE8324<br>PE8324T |
| Rack Space                    | 0U                              | 1U                                 | 1U               | 1U               | 1U               | 0U                                                                     | 0U                          | 0U               | 0U                          |
| Outlet                        | 16, 24                          | 8                                  | 8                | 8                | 8                | 16, 21<br>24, 42                                                       | 16, 24                      | 16, 24           | 16, 24                      |
| Outlet Switching              |                                 |                                    | •                |                  | •                |                                                                        | •                           |                  | •                           |
| Metering Capability           | Bank Level via EC1000           | Bank Level                         | Bank Level       | Outlet Level     | Outlet Level     | Bank Level                                                             | Bank Level                  | Outlet Level     | Outlet Level                |
| Environment Monitoring        | Via EC1000                      | •                                  | •                | •                | •                | •                                                                      | •                           | •                | •                           |
| eco Sensors Support           | Via EC1000                      | •                                  | •                | •                | •                | •                                                                      | •                           | •                | •                           |
| Proactive Overload Protection |                                 |                                    | •                |                  | •                |                                                                        | •                           |                  | •                           |
| Door Sensor Support           |                                 |                                    |                  |                  |                  |                                                                        |                             | •                | •                           |

Note: The PE8T series will be available in Q4 of 2017.

## ATEN PDU Family





# ATEN's Exclusive POP Provides the Most Secure and Reliable Power Distribution

ATEN's Proactive Overload Protection (POP) empowers users to prioritize their data center's power distribution. When the current overloads, POP will automatically power off outlets to protect IT servers from shutting down unexpectedly. There are 2 POP options available for selection - LIFO Mode and Priority Mode.

### LIFO Mode :

The last powered on outlet will automatically power off.



### POP Settings

- ☒ Enable POP LIFO Mode
- ☐ Enable POP Priority Mode

### Priority Mode :

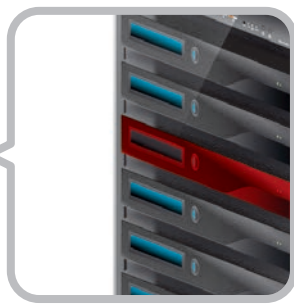
Outlets will power off following a pre-defined order. Administrators can set the shutdown priority of each outlet via web browser.

| Bank 1 Priority Mode |           | Bank 2 Priority Mode |           |
|----------------------|-----------|----------------------|-----------|
| Priority 1           | Outlet 9  | Priority 1           | Outlet 18 |
| Priority 2           | Outlet 14 | Priority 2           | Outlet 22 |
| Priority 3           | Outlet 12 | Priority 3           | Outlet 19 |
| Priority 4           | Outlet 11 | Priority 4           | Outlet 21 |
| Priority 5           | Outlet 16 | Priority 5           | Outlet 20 |
| Priority 6           | Outlet 13 | Priority 6           | Outlet 23 |
| Priority 7           | Outlet 10 | Priority 7           | Outlet 17 |
| Priority 8           | Outlet 15 | Priority 8           | Outlet 24 |

## When a power overloading condition is detected....



With POP Protection



ATEN POP PDU  
(PE6 / PE8 Series)

Without POP Protection



Other PDUs

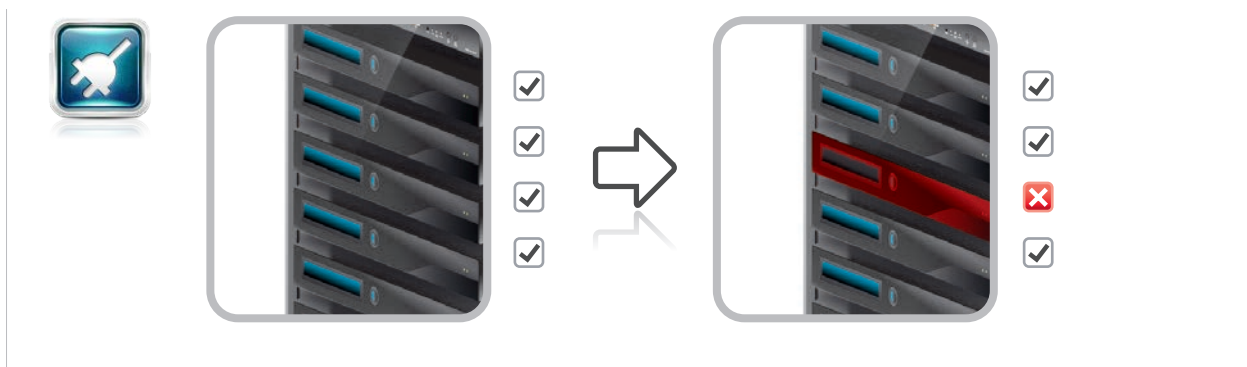
Without ATEN's POP, PDUs will cut off the entire circuit when the power is overloaded, resulting in a sudden shut down of all equipment – which can include lighting, air conditioning and servers.

Note: ATEN's PE8 series support full POP functionality, while the PE6 series only provides Priority Mode.



## How can POP protect your IT equipment ?

### Scenario : Power Consumption Suddenly Rises and Causes Power Overload



#### Setting A

- ☒ Enable POP LIFO Mode
- ☒ Enable POP Priority Mode

The POP feature will automatically cut off the power to the newly inserted server (LIFO Mode), and then switch off servers according to a preselected order (Priority Mode). This ensures other servers continue to work safely and are uninterrupted.



#### Setting B

- ☐ Enable POP LIFO Mode
- ☒ Enable POP Priority Mode

The POP feature will instantly cut off power to servers according to the user's predefined order.



#### Setting C

- ☒ Enable POP LIFO Mode
- ☐ Enable POP Priority Mode

The POP feature will automatically cut off the newly inserted server, this ensures the whole PDU won't shutdown and critical servers are protected. And if there is not any newly inserted server, then POP will only trip the alarm but won't shut down any outlet.

Scan here to view a video demonstrating ATEN's Energy Intelligence PDUs & exclusive POP feature.



# Energy PDU

## Basic 0U Rack PDU

PE1216 / PE1324



### PE1216

- 16 Outlets, 0U
- Power metering and environment monitoring by EC1000 Energy Box

### PE1324

- 24 Outlets, 0U
- Power metering and environment monitoring by EC1000 Energy Box

1

The Energy PDU series contains 16/24 AC outlets and is available in various IEC or NEMA socket configurations. It features a space-saving 0U design that allows it to be mounted vertically on the outside of a rack, resulting in a more efficient use of server room space.

- Space saving 0U rack mount design
- IEC or NEMA outlet models
- Real-time PDU current monitoring\*

## IEC System

| Model   | Rack Space | Input Voltage | (Max) AMP | Input Plug    | # of Banks | Outlets         | Outlet Control | Metering Level    |
|---------|------------|---------------|-----------|---------------|------------|-----------------|----------------|-------------------|
| PE1216G | 0U         | 100-240V      | 16A       | IEC 60320 C20 | 1 x 16A    | 16 x IEC320 C13 | None           | Bank (via EC1000) |
| PE1324G | 0U         | 100-240V      | 32A       | IEC 60309 32A | 2 x 16A    | 24 x IEC320 C13 | None           | Bank (via EC1000) |

## NEMA System

| Model   | Rack Space | Input Voltage | (Max) AMP | Input Plug  | # of Banks | Outlets         | Outlet Control | Metering Level    |
|---------|------------|---------------|-----------|-------------|------------|-----------------|----------------|-------------------|
| PE1216A | 0U         | 100-120V      | 20A       | NEMA 5-20P  | 1 x 20A    | 16 x NEMA 5-15R | None           | Bank (via EC1000) |
| PE1216B | 0U         | 100-240V      | 20A       | NEMA 6-20P  | 1 x 20A    | 16 x IEC320 C13 | None           | Bank (via EC1000) |
| PE1324B | 0U         | 100-240V      | 30A       | NEMA L6-30P | 2 x 16A    | 24 x IEC320 C13 | None           | Bank (via EC1000) |

\* Requires the EC1000 Energy Box, sold separately.

Note: Product information is subject to change without prior notification.

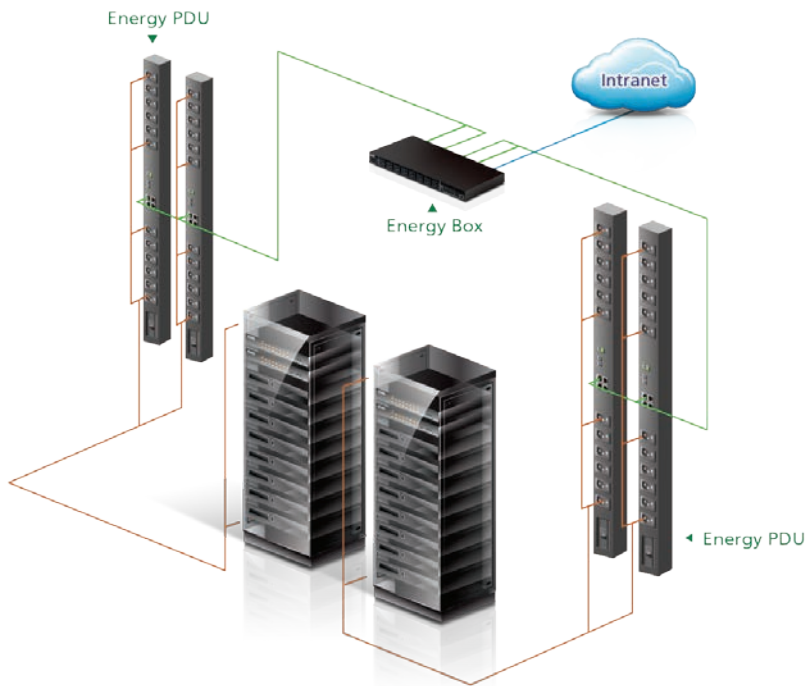


The NRGence™ Energy Box is an intelligent power monitor that works with ATEN Energy PDUs to monitor the electrical current of PDUs, and the temperature, humidity and differential pressure in a room using sensors. The EC1000 is a standalone Over IP monitoring box that can be controlled via Web UI or eco Sensors software. Conveniently installing the Energy Boxes on a rack and connecting them to the Energy PDUs, allows all the power information from the PDUs to be collected and displayed on the Energy Box for easy viewing and monitoring.

- 4 Energy Sensor ports for Energy PDU power monitoring ( 0A to 32A per port)
- 4 Environmental Sensor ports for temperature, humidity and differential pressure monitoring
- Space saving 0U/1U rack mount design
- Remote real-time electrical current management and monitoring
  - Current threshold level settings
  - Name assignment to individual PDUs
- Extended PDU Management Options
  - Remote management via network with Web Brower, eco Sensors software or 3rd party SNMP manager
- Exceeded threshold alerts via:
  - Local: audio alarm and LED lights
  - Remote: SMTP/SNMP trap/Syslog
- eco Sensors software for complete monitoring to optimize the power efficiency of data centers

| Function               | EC1000                                                                                                       |
|------------------------|--------------------------------------------------------------------------------------------------------------|
| Input Power            | Power Adapter DC 5V (1.8m)                                                                                   |
| Eneyg Sensor Port      | 4 x Energy Sensor Port                                                                                       |
| Enviroment Sensor Port | 4 x Environmental Sensor Port                                                                                |
| LAN                    | 1 x RJ-45 Female with LED                                                                                    |
| Monitoring Range       | 100-240V; 50/60Hz;<br>0A to 32A (per port)<br>LED Display Resolution 0.1A<br>Accuracy: +-0.1A@0~1A, +-1%@>1A |

Setup >



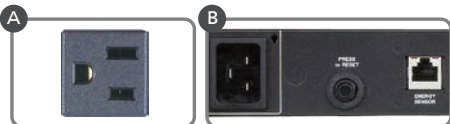
## Specification &gt; PE1216

| Function            |                                   | PE1216A                                                   | PE1216B                                                   | PE1216G                                                   |
|---------------------|-----------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 120 VAC                                             | 100 – 240 VAC                                             | 100 – 240 VAC                                             |
|                     | Maximum Input Current             | 20A (Max)                                                 | 20A (Max)                                                 | 16A (Max)                                                 |
|                     | Input Frequency                   | 50-60 Hz                                                  | 50-60 Hz                                                  | 50-60 Hz                                                  |
|                     | Input Connection                  | NEMA 5-20P                                                | NEMA 6-20P                                                | IEC 60320 C20                                             |
|                     | Input Power                       | 2400 VA (Max)                                             | 4160 VA (Max)                                             | 3680 VA (Max)                                             |
|                     | Outlet Type                       | Total: 16 x NEMA 5-15R                                    | Total: 16 x IEC320 C13                                    | Total: 16 x IEC320 C13                                    |
|                     | Nominal Output Voltage            | 100 – 120 VAC                                             | 100 – 240 VAC                                             | 100 – 240 VAC                                             |
|                     | Maximum Output Current (Outlet)   | 15A (Max)                                                 | 15A (Max)                                                 | 10A (Max)                                                 |
|                     | Maximum Output Current (Bank)     | 20A (Max)                                                 | 20A (Max)                                                 | 16A (Max)                                                 |
|                     | Maximum Output Current (Total)    | 20A (Max)                                                 | 20A (Max)                                                 | 16A (Max)                                                 |
|                     | Breakers                          | 1 x 20A Non-Fuse Breaker                                  | 1 x 20A Non-Fuse Breaker                                  | 1 x 16A Non-Fuse Breaker                                  |
|                     | Metering                          | Bank Level Current Monitoring<br>(Via EC 1000 Energy Box) | Bank Level Current Monitoring<br>(Via EC 1000 Energy Box) | Bank Level Current Monitoring<br>(Via EC 1000 Energy Box) |
|                     | Outlet Switching                  | None                                                      | None                                                      | None                                                      |
|                     | Environment Sensor Ports          | 0                                                         | 0                                                         | 0                                                         |
| Physical Properties | Dimensions (L x W x H)            | 73 x 4.4 x 4.4 cm                                         | 73 x 4.4 x 4.4 cm                                         | 73 x 4.4 x 4.4 cm                                         |
|                     | Weight                            | 1.32 kg                                                   | 1.32 kg                                                   | 1.32 kg                                                   |
|                     | Power Cord Length                 | 3 m                                                       | 3 m                                                       | 3 m                                                       |
| Environmental       | Temperature (Operating / Storage) | 0–50°C / -20–60°C                                         | 0–50°C / -20–60°C                                         | 0–50°C / -20–60°C                                         |
|                     | Humidity (Operating & Storage)    | 0–80% RH, Non-Condensing                                  | 0–80% RH, Non-Condensing                                  | 0–80% RH, Non-Condensing                                  |
| Compliance          | EMC Verification                  | FCC, Others by Request                                    | FCC, Others by Request                                    | CE, C-Tick, Others by Request                             |
|                     | Safety Verification               | cTUVus, PSE, Others by Request                            | cTUVus, PSE, Others by Request                            | TUV-CB, GOST, Others by Request                           |

## Product Overview (PE1216A)



## Product Detail

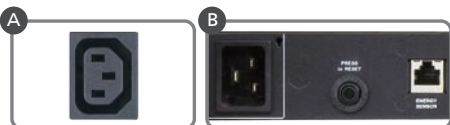


Outlet NEMA 5-15R

## Product Overview (PE1216B / PE1216G)



## Product Detail



Outlet IEC320 C13

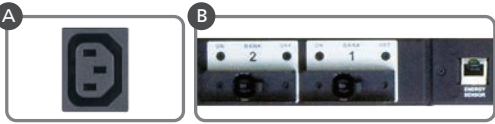
Specification > PE1324

| Function            |                                   | PE1324B                                                                                                          | PE1324G                                                                                                          |
|---------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 240 VAC                                                                                                    | 100 – 240 VAC                                                                                                    |
|                     | Maximum Input Current             | 30A (Max)                                                                                                        | 32A (Max)                                                                                                        |
|                     | Input Frequency                   | 50-60 Hz                                                                                                         | 50-60 Hz                                                                                                         |
|                     | Input Connection                  | NEMA L6-30P                                                                                                      | IEC 60309 32A                                                                                                    |
|                     | Input Power                       | 6240 VA (Max))                                                                                                   | 7360 VA (Max)                                                                                                    |
|                     | Outlet Type                       | <b>Total:</b> 24 x IEC320 C13<br><b>Bank1:</b> Outlet 1 – 12; 12 x C13<br><b>Bank2:</b> Outlet 13 – 24; 12 x C13 | <b>Total:</b> 24 x IEC320 C13<br><b>Bank1:</b> Outlet 1 – 12; 12 x C13<br><b>Bank2:</b> Outlet 13 – 24; 12 x C13 |
|                     | Nominal Output Voltage            | 100 – 240 VAC                                                                                                    | 100 – 240 VAC                                                                                                    |
|                     | Maximum Output Current (Outlet)   | 15A (Max)                                                                                                        | 10A (Max)                                                                                                        |
|                     | Maximum Output Current (Bank)     | 15A (Max)                                                                                                        | 16A (Max)                                                                                                        |
|                     | Maximum Output Current (Total)    | 30A (Max)                                                                                                        | 32A (Max)                                                                                                        |
|                     | Breakers                          | 2 x 16A UL489 Breaker                                                                                            | 2 x 16A UL489 Breaker                                                                                            |
|                     | Metering                          | Bank Level Current Monitoring<br>(Via EC1000 Energy Box)                                                         | Bank Level Current Monitoring<br>(Via EC1000 Energy Box)                                                         |
|                     | Outlet Switching                  | None                                                                                                             | None                                                                                                             |
|                     | Environment Sensor Ports          | 0                                                                                                                | 0                                                                                                                |
| Physical Properties | Metering Accuracy                 | <b>Current Range:</b><br>0.1A~1A +/- 0.1A, 1A~20A +/-1%                                                          | <b>Current Range:</b><br>0.1A~1A +/- 0.1A, 1A~20A +/-1%                                                          |
|                     | Dimensions (L x W x H)            | 130 x 4.04 x 4.4 cm                                                                                              | 130 x 4.04 x 4.4 cm                                                                                              |
|                     | Weight                            | 3.6 kg                                                                                                           | 3.6 kg                                                                                                           |
|                     | Power Cord Length                 | 1.6 m                                                                                                            | 1.6 m                                                                                                            |
| Environmental       | Temperature (Operating / Storage) | 0–50°C / -20–60°C                                                                                                | 0–50°C / -20–60°C                                                                                                |
|                     | Humidity (Operating & Storage)    | 0–80% RH, Non-Condensing                                                                                         | 0–80% RH, Non-Condensing                                                                                         |
| Compliance          | EMC Verification                  | FCC, Others by Request                                                                                           | CE, C-Tick, Others by Request                                                                                    |
|                     | Safety Verification               | PSE, Others by Request                                                                                           | TUV-CB, GOST, Others by Request                                                                                  |

Product Overview (PE1324B / PE1324G)



Product Detail



Outlet IEC320 C13

# ECO PDU

Intelligent 1U Rack PDU

PE5108 / PE5208 / PE6108 / PE6208  
PE7108 / PE7208 / PE8108 / PE8208



## PE5108 / PE5208

- Bank level power status measurement

## PE6108 / PE6208

- Remote power control
- Proactive overload protection
- Bank level power status measurement

## PE7108 / PE7208

- Bank and outlet level power status measurement

## PE8108 / PE8208

- Remote power control
- Proactive overload protection
- Bank and outlet level power status measurement

## Power Distribution

- Space saving rack mount design with rear mounting
- IEC or NEMA outlet models
- 3 x 7 segment front panel LED shows Current / IP Address
- Remote users can monitor outlet status via web browser
- Safe shutdown support
- Separate power for the unit and its power outlets – the user interface is still accessible even when an overload trips the circuit breakers

## Remote Access

- Remote power control over TCP/IP via built-in 10/100 Ethernet port (PE6 / PE8 only)
- Network Protocols: TCP/IP, PPP, UDP, HTTP, HTTPS, SSL, SMTP, DHCP, NTP, DNS, auto sense, Ping, Telnet
- PDU Power Management software – eco Sensors
- Supports SNMP Manager V1, V2 & V3

## Operation

- Remote power control (On, Off, Power Cycle) by individual outlet (PE6 / PE8 only)
- Multiple power control methods – Wake on LAN, System After AC Back, Kill the Power (PE6 / PE8 only)
- Power-on sequencing – set the sequence and time delay for each outlet to power-on equipment in the correct order (PE6 / PE8 only)
- Easy setup and operation via browser-based user interface
- Multibrowser support (IE, Mozilla, Firefox, Chrome, Safari, Opera, Netscape)
- RTC support to keep the clock/timer running without power
- Supports up to 8 user and 1 administrator accounts
- Proactive Overload Protection (POP) automatically powers off outlets during current overloads to protect connected devices (PE6 / PE8 only)

## Management

- Power status measurement at the bank level (PE5 / PE6), or bank and outlet level (PE7 / PE8 only)
- LED indicators for current and IP address
- Real-time current, voltage and kWh displayed in a browsed-based UI for monitoring
- Environment monitoring via external sensors for rack temperature and humidity readings and alerts
- Current, voltage, power dissipation, energy consumption, temperature and humidity threshold settings
- Supports naming of outlets
- User outlet access rights on an outlet-by-outlet basis
- Event logging and syslog support
- Supports Management Information Base (MIB) files for SNMP
- Upgradeable firmware
- Multilingual support: English, Traditional Chinese, Simplified Chinese, Japanese, German, Italian, Spanish, French, Russian

## Security

- Two-level password security
- Security features include password protection and advanced encryption technologies – 128 bit SSL
- Remote authentication support: RADIUS

Note: Product information is subject to change without prior notification.

## IEC System

| Model   | Rack Space | Input Voltage | (Max) AMP | Input Plug    | # of Banks | Outlets                         | Outlet Control | Metering Level |
|---------|------------|---------------|-----------|---------------|------------|---------------------------------|----------------|----------------|
| PE5108G | 1U         | 100-240V      | 10A       | IEC 60320 C14 | 1 x 10A    | 8 x IEC320 C13                  | None           | Bank           |
| PE5208G | 1U         | 100-240V      | 16A       | IEC 60320 C20 | 1 x 16A    | 7 x IEC320 C13 + 1 x IEC320 C19 | None           | Bank           |
| PE6108G | 1U         | 100-240V      | 10A       | IEC 60320 C14 | 1 x 10A    | 8 x IEC320 C13                  | Yes            | Bank           |
| PE6208G | 1U         | 100-240V      | 16A       | IEC 60320 C20 | 1 x 16A    | 7 x IEC320 C13 + 1 x IEC320 C19 | Yes            | Bank           |
| PE7108G | 1U         | 100-240V      | 10A       | IEC 60320 C14 | 1 x 10A    | 8 x IEC320 C13                  | None           | Outlet         |
| PE7208G | 1U         | 100-240V      | 16A       | IEC 60320 C20 | 1 x 16A    | 7 x IEC320 C13 + 1 x IEC320 C19 | None           | Outlet         |
| PE8108G | 1U         | 100-240V      | 10A       | IEC 60320 C14 | 1 x 10A    | 8 x IEC320 C13                  | Yes            | Outlet         |
| PE8208G | 1U         | 100-240V      | 16A       | IEC 60320 C20 | 1 x 16A    | 7 x IEC320 C13 + 1 x IEC320 C19 | Yes            | Outlet         |

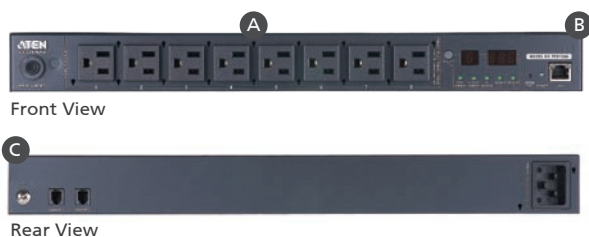
## NEMA System

| Model   | Rack Space | Input Voltage | (Max) AMP | Input Plug | # of Banks | Outlets                         | Outlet Control | Metering Level |
|---------|------------|---------------|-----------|------------|------------|---------------------------------|----------------|----------------|
| PE5108A | 1U         | 100-120V      | 15A       | NEMA 5-15P | 1 x 15A    | 8 x NEMA 5-15R                  | None           | Bank           |
| PE5108B | 1U         | 100-240V      | 15A       | NEMA 6-15P | 1 x 15A    | 8 x IEC320 C13                  | None           | Bank           |
| PE5208A | 1U         | 100-120V      | 20A       | NEMA 5-20P | 1 x 20A    | 8 x NEMA 5-20R                  | None           | Bank           |
| PE5208B | 1U         | 100-240V      | 20A       | NEMA 6-20P | 1 x 20A    | 7 x IEC320 C13 + 1 x IEC320 C19 | None           | Bank           |
| PE6108A | 1U         | 100-120V      | 15A       | NEMA 5-15P | 1 x 15A    | 8 x NEMA 5-15R                  | Yes            | Bank           |
| PE6108B | 1U         | 100-240V      | 15A       | NEMA 6-15P | 1 x 15A    | 8 x IEC320 C13                  | Yes            | Bank           |
| PE6208A | 1U         | 100-120V      | 20A       | NEMA 5-20P | 1 x 20A    | 8 x NEMA 5-20R                  | Yes            | Bank           |
| PE6208B | 1U         | 100-240V      | 20A       | NEMA 6-20P | 1 x 20A    | 7 x IEC320 C13 + 1 x IEC320 C19 | Yes            | Bank           |
| PE7108A | 1U         | 100-120V      | 15A       | NEMA 5-15P | 1 x 15A    | 8 x NEMA 5-15R                  | None           | Outlet         |
| PE7108B | 1U         | 100-240V      | 15A       | NEMA 6-15P | 1 x 15A    | 8 x IEC320 C13                  | None           | Outlet         |
| PE7208A | 1U         | 100-120V      | 20A       | NEMA 5-20P | 1 x 20A    | 8 x NEMA 5-20R                  | None           | Outlet         |
| PE7208B | 1U         | 100-240V      | 20A       | NEMA 6-20P | 1 x 20A    | 7 x IEC320 C13 + 1 x IEC320 C19 | None           | Outlet         |
| PE8108A | 1U         | 100-120V      | 15A       | NEMA 5-15P | 1 x 15A    | 8 x NEMA 5-15R                  | Yes            | Outlet         |
| PE8108B | 1U         | 100-240V      | 15A       | NEMA 6-15P | 1 x 15A    | 8 x IEC320 C13                  | Yes            | Outlet         |
| PE8208A | 1U         | 100-120V      | 20A       | NEMA 5-20P | 1 x 20A    | 8 x NEMA 5-20R                  | Yes            | Outlet         |
| PE8208B | 1U         | 100-240V      | 20A       | NEMA 6-20P | 1 x 20A    | 7 x IEC320 C13 + 1 x IEC320 C19 | Yes            | Outlet         |

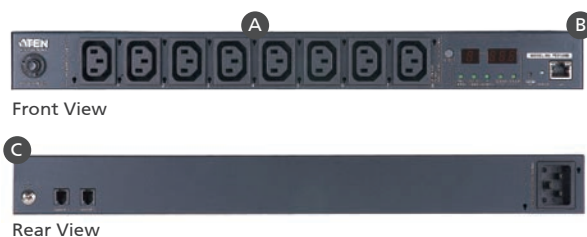
## Specification > PE5108

| Function            |                                   | PE5108A                                                 | PE5108B                                                 | PE5108G                                                 |
|---------------------|-----------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 120 VAC                                           | 100 – 240 VAC                                           | 100 – 240 VAC                                           |
|                     | Maximum Input Current             | 15A (Max)                                               | 15A (Max)                                               | 10A (Max)                                               |
|                     | Input Frequency                   | 50-60 Hz                                                | 50-60 Hz                                                | 50-60 Hz                                                |
|                     | Input Connection                  | NEMA 5-15P                                              | NEMA 6-15P                                              | IEC 60320 C14                                           |
|                     | Input Power                       | 1800 VA (Max)                                           | 3120 VA (Max)                                           | 2300 VA (Max)                                           |
|                     | Outlet Type                       | <b>Total:</b> 8 x NEMA 5-15R                            | <b>Total:</b> 8 x IEC320 C13                            | <b>Total:</b> 8 x IEC320 C13                            |
|                     | Nominal Output Voltage            | 100 – 120 VAC                                           | 100 – 240 VAC                                           | 100 – 240 VAC                                           |
|                     | Maximum Output Current (Outlet)   | NEMA 5-15R: 15A (Max)                                   | C13: 15A (Max)                                          | C13: 10A (Max)                                          |
|                     | Maximum Output Current (Bank)     | 15A (Max)                                               | 15A (Max)                                               | 10A (Max)                                               |
|                     | Maximum Output Current (Total)    | 15A (Max)                                               | 15A (Max)                                               | 10A (Max)                                               |
|                     | Breakers                          | 1 x 15A Non-Fuse Breaker                                | 1 x 15A Non-Fuse Breaker                                | 1 x 15A Non-Fuse Breaker                                |
|                     | Metering                          | Bank level Current, Voltage, VA , PF and KWh Monitoring | Bank level Current, Voltage, VA , PF and KWh Monitoring | Bank level Current, Voltage, VA , PF and KWh Monitoring |
|                     | Outlet Switching                  | None                                                    | None                                                    | None                                                    |
|                     | Environment Sensor Ports          | 2                                                       | 2                                                       | 2                                                       |
| Physical Properties | Dimensions (L x W x H)            | 43.24 x 21.93 x 4.4 cm                                  | 43.24 x 21.93 x 4.4 cm                                  | 43.24 x 21.93 x 4.4 cm                                  |
|                     | Weight                            | 2.77 kg                                                 | 2.82 kg                                                 | 2.82 kg                                                 |
|                     | Power Cord Length                 | 3 m                                                     | 3 m                                                     | 3 m                                                     |
|                     | Power Cord Length                 | 3 m                                                     | 3 m                                                     | 3 m                                                     |
| Environmental       | Temperature (Operating / Storage) | 0 – 50°C / -20 – 60°C                                   | 0 – 50°C / -20 – 60°C                                   | 0 – 50°C / -20 – 60°C                                   |
|                     | Humidity (Operating & Storage)    | 0 – 80% RH, Non-Condensing                              | 0 – 80% RH, Non-Condensing                              | 0 – 80% RH, Non-Condensing                              |
| Compliance          | EMC Verification                  | FCC, Others by Request                                  | FCC, Others by Request                                  | CE, Others by Request                                   |
|                     | Safety Verification               | TUV-CB, cTUVus, Others by Request                       | TUV-CB, cTUVus, Others by Request                       | TUV-CB, CE-LVD, Others by Request                       |

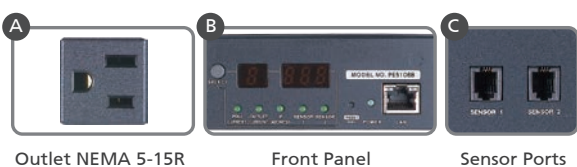
Product Overview (PE5108A)



Product Overview (PE5108B / PE5108G)



Product Detail



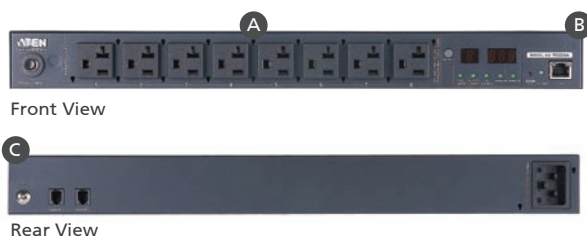
Product Detail



## Specification > PE5208

| Function            |                                   | PE5208A                                                | PE5208B                                                | PE5208G                                                |
|---------------------|-----------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 120 VAC                                          | 100 – 240 VAC                                          | 100 – 240 VAC                                          |
|                     | Maximum Input Current             | 20A (Max)                                              | 20A (Max)                                              | 16A (Max)                                              |
|                     | Input Frequency                   | 50-60 Hz                                               | 50-60 Hz                                               | 50-60 Hz                                               |
|                     | Input Connection                  | NEMA 5-20P                                             | NEMA 6-20P                                             | IEC 60320 C20                                          |
|                     | Input Power                       | 2400 VA (Max)                                          | 4160 VA (Max)                                          | 3680 VA (Max)                                          |
|                     | Outlet Type                       | <b>Total:</b> 8 x NEMA 5-20R                           | <b>Total:</b> 7 x IEC320 C13 + 1 x IEC320 C19          | <b>Total:</b> 7 x IEC320 C13 + 1 x IEC320 C19          |
|                     | Nominal Output Voltage            | 100 – 120 VAC                                          | 100 – 240 VAC                                          | 100 – 240 VAC                                          |
|                     | Maximum Output Current (Outlet)   | NEMA 5-20R: 20A (Max)                                  | C13: 15A (Max)<br>C19: 20A (Max)                       | C13: 10A (Max)<br>C19: 16A (Max)                       |
|                     | Maximum Output Current (Bank)     | 20A (Max)                                              | 20A (Max)                                              | 16A (Max)                                              |
|                     | Maximum Output Current (Total)    | 20A (Max)                                              | 20A (Max)                                              | 16A (Max)                                              |
|                     | Breakers                          | 1 x 20A Non-Fuse Breaker                               | 1 x 20A Non-Fuse Breaker                               | 1 x 16A Non-Fuse Breaker                               |
|                     | Metering                          | Bank level Current, Voltage, VA, PF and KWh Monitoring | Bank level Current, Voltage, VA, PF and KWh Monitoring | Bank level Current, Voltage, VA, PF and KWh Monitoring |
|                     | Outlet Switching                  | None                                                   | None                                                   | None                                                   |
|                     | Environment Sensor Ports          | 2                                                      | 2                                                      | 2                                                      |
| Physical Properties | Dimensions (L x W x H)            | 43.24 x 22.04 x 4.4 cm                                 | 43.24 x 22.04 x 4.4 cm                                 | 43.24 x 22.04 x 4.4 cm                                 |
|                     | Weight                            | 2.71 kg                                                | 2.71 kg                                                | 2.71 kg                                                |
|                     | Power Cord Length                 | 3 m                                                    | 3 m                                                    | 3 m                                                    |
| Environmental       | Temperature (Operating / Storage) | 0 – 50°C / -20 – 60°C                                  | 0 – 50°C / -20 – 60°C                                  | 0 – 50°C / -20 – 60°C                                  |
|                     | Humidity (Operating & Storage)    | 0 – 80% RH, Non-Condensing                             | 0 – 80% RH, Non-Condensing                             | 0 – 80% RH, Non-Condensing                             |
| Compliance          | EMC Verification                  | FCC, Others by Request                                 | FCC, Others by Request                                 | CE, Others by Request                                  |
|                     | Safety Verification               | TUV-CB, cTUVus, Others by Request                      | TUV-CB, cTUVus, Others by Request                      | TUV-CB, CE-LVD, Others by Request                      |

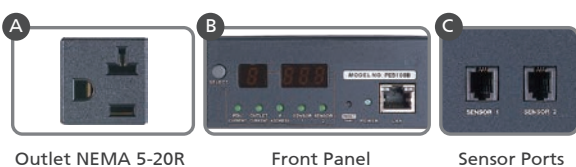
Product Overview (PE5208A)



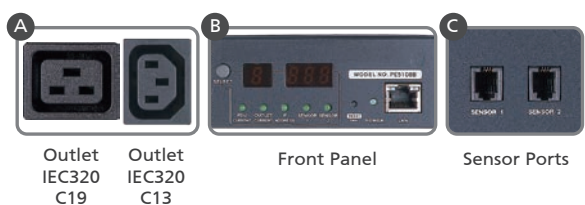
Product Overview (PE5208B / PE5208G)



Product Detail



Product Detail



## Specification > PE6108

|                     | Function                          | PE6108A                                                 | PE6108B                                                 | PE6108G                                                 |
|---------------------|-----------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 120 VAC                                           | 100 – 240 VAC                                           | 100 – 240 VAC                                           |
|                     | Maximum Input Current             | 15A (Max)                                               | 15A (Max)                                               | 10A (Max)                                               |
|                     | Input Frequency                   | 50-60 Hz                                                | 50-60 Hz                                                | 50-60 Hz                                                |
|                     | Input Connection                  | NEMA 5-15P                                              | NEMA 6-15P                                              | IEC 60320 C14                                           |
|                     | Input Power                       | 1800 VA (Max)                                           | 3120 VA (Max)                                           | 2300 VA (Max)                                           |
|                     | Outlet Type                       | <b>Total:</b> 8 x NEMA 5-15R                            | <b>Total:</b> 8 x IEC320 C13                            | <b>Total:</b> 8 x IEC320 C13                            |
|                     | Nominal Output Voltage            | 100 – 120 VAC                                           | 100 – 240 VAC                                           | 100 – 240 VAC                                           |
|                     | Maximum Output Current (Outlet)   | NEMA 5-15R: 15A (Max)                                   | C13: 15A (Max)                                          | C13: 10A (Max)                                          |
|                     | Maximum Output Current (Bank)     | 15A (Max)                                               | 15A (Max)                                               | 10A (Max)                                               |
|                     | Maximum Output Current (Total)    | 15A (Max)                                               | 15A (Max)                                               | 10A (Max)                                               |
|                     | Breakers                          | 1 x 15A Non-Fuse Breaker                                | 1 x 15A Non-Fuse Breaker                                | 1 x 15A Non-Fuse Breaker                                |
|                     | Metering                          | Bank level Current, Voltage, VA , PF and KWh Monitoring | Bank level Current, Voltage, VA , PF and KWh Monitoring | Bank level Current, Voltage, VA , PF and KWh Monitoring |
|                     | Outlet Switching                  | Yes                                                     | Yes                                                     | Yes                                                     |
|                     | Environment Sensor Ports          | 2                                                       | 2                                                       | 2                                                       |
| Physical Properties | Dimensions (L x W x H)            | 43.24 x 22.04 x 4.4 cm                                  | 43.24 x 22.04 x 4.4 cm                                  | 43.24 x 22.04 x 4.4 cm                                  |
|                     | Weight                            | 2.77 kg                                                 | 2.77 kg                                                 | 2.77 kg                                                 |
|                     | Power Cord Length                 | 3 m                                                     | 3 m                                                     | 3 m                                                     |
|                     | Power Cord Length                 | 3 m                                                     | 3 m                                                     | 3 m                                                     |
| Environmental       | Temperature (Operating / Storage) | 0 – 50°C / -20 – 60°C                                   | 0 – 50°C / -20 – 60°C                                   | 0 – 50°C / -20 – 60°C                                   |
|                     | Humidity (Operating & Storage)    | 0 – 80% RH, Non-Condensing                              | 0 – 80% RH, Non-Condensing                              | 0 – 80% RH, Non-Condensing                              |
| Compliance          | EMC Verification                  | FCC, Others by Request                                  | FCC, Others by Request                                  | CE, Others by Request                                   |
|                     | Safety Verification               | TUV-CB, cTUVus, Others by Request                       | TUV-CB, cTUVus, Others by Request                       | TUV-CB, CE-LVD, Others by Request                       |

### Product Overview (PE6108A)



Front View



Rear View

### Product Detail



Outlet NEMA 5-15R

Front Panel

Sensor Ports

### Product Overview (PE6108B / PE6108G)



Front View



Rear View

### Product Detail



Outlet IEC320 C13

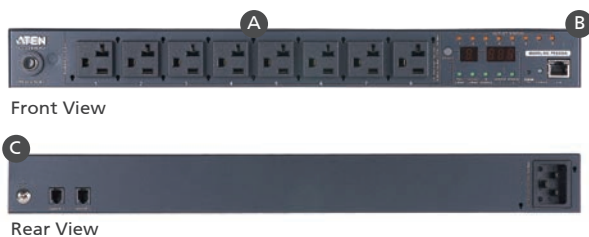
Front Panel

Sensor Ports

## Specification > PE6208

|                     | Function                          | PE6208A                                                | PE6208B                                                | PE6208G                                                |
|---------------------|-----------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 120 VAC                                          | 100 – 240 VAC                                          | 100 – 240 VAC                                          |
|                     | Maximum Input Current             | 20A (Max)                                              | 20A (Max)                                              | 16A (Max)                                              |
|                     | Input Frequency                   | 50-60 Hz                                               | 50-60 Hz                                               | 50-60 Hz                                               |
|                     | Input Connection                  | NEMA 5-20P                                             | NEMA 6-20P                                             | IEC 60320 C20                                          |
|                     | Input Power                       | 2400 VA (Max)                                          | 4160 VA (Max)                                          | 3680 VA (Max)                                          |
|                     | Outlet Type                       | <b>Total:</b> 8 x NEMA 5-20R                           | <b>Total:</b> 7 x IEC320 C13 + 1 x IEC320 C19          | <b>Total:</b> 7 x IEC320 C13 + 1 x IEC320 C19          |
|                     | Nominal Output Voltage            | 100 – 120 VAC                                          | 100 – 240 VAC                                          | 100 – 240 VAC                                          |
|                     | Maximum Output Current (Outlet)   | NEMA 5-20R: 20A (Max)                                  | C13: 15A (Max)<br>C19: 20A (Max)                       | C13: 10A (Max)<br>C19: 16A (Max)                       |
|                     | Maximum Output Current (Bank)     | 20A (Max)                                              | 20A (Max)                                              | 16A (Max)                                              |
|                     | Maximum Output Current (Total)    | 20A (Max)                                              | 20A (Max)                                              | 16A (Max)                                              |
|                     | Breakers                          | 1 x 20A Non-Fuse Breaker                               | 1 x 20A Non-Fuse Breaker                               | 1 x 16A Non-Fuse Breaker                               |
|                     | Metering                          | Bank level Current, Voltage, VA, PF and KWh Monitoring | Bank level Current, Voltage, VA, PF and KWh Monitoring | Bank level Current, Voltage, VA, PF and KWh Monitoring |
|                     | Outlet Switching                  | Yes                                                    | Yes                                                    | Yes                                                    |
|                     | Environment Sensor Ports          | 2                                                      | 2                                                      | 2                                                      |
| Physical Properties | Dimensions (L x W x H)            | 43.24 x 22.04 x 4.4 cm                                 | 43.24 x 22.04 x 4.4 cm                                 | 43.24 x 22.04 x 4.4 cm                                 |
|                     | Weight                            | 2.79 kg                                                | 2.79 kg                                                | 2.79 kg                                                |
|                     | Power Cord Length                 | 3 m                                                    | 3 m                                                    | 3 m                                                    |
|                     | Temperature (Operating / Storage) | 0 – 50°C / -20 – 60°C                                  | 0 – 50°C / -20 – 60°C                                  | 0 – 50°C / -20 – 60°C                                  |
| Environmental       | Humidity (Operating & Storage)    | 0 – 80% RH, Non-Condensing                             | 0 – 80% RH, Non-Condensing                             | 0 – 80% RH, Non-Condensing                             |
|                     | Compliance                        | FCC, Others by Request                                 | FCC, Others by Request                                 | CE, Others by Request                                  |
| Compliance          | EMC Verification                  | FCC, Others by Request                                 | FCC, Others by Request                                 | CE, Others by Request                                  |
|                     | Safety Verification               | TUV-CB, cTUVus, Others by Request                      | TUV-CB, cTUVus, Others by Request                      | TUV-CB, CE-LVD, Others by Request                      |

### Product Overview (PE6208A)



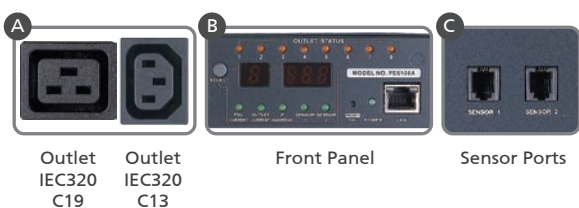
### Product Overview (PE6208B / PE6208G)



### Product Detail



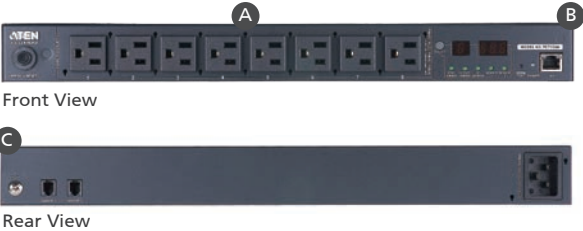
### Product Detail



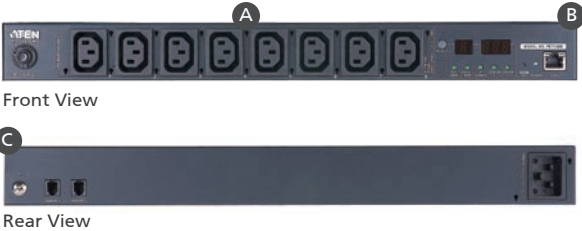
Specification > PE7108

| Function            |                                   | PE7108A                                                   | PE7108B                                                   | PE7108G                                                   |
|---------------------|-----------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 120 VAC                                             | 100 – 240 VAC                                             | 100 – 240 VAC                                             |
|                     | Maximum Input Current             | 15A (Max)                                                 | 15A (Max)                                                 | 10A (Max)                                                 |
|                     | Input Frequency                   | 50-60 Hz                                                  | 50-60 Hz                                                  | 50-60 Hz                                                  |
|                     | Input Connection                  | NEMA 5-15P                                                | NEMA 6-15P                                                | IEC 60320 C14                                             |
|                     | Input Power                       | 1800 VA (Max)                                             | 3120 VA (Max)                                             | 2300 VA (Max)                                             |
|                     | Outlet Type                       | <b>Total:</b> 8 x NEMA 5-15R                              | <b>Total:</b> 8 x IEC320 C13                              | <b>Total:</b> 8 x IEC320 C13                              |
|                     | Nominal Output Voltage            | 100 – 120 VAC                                             | 100 – 240 VAC                                             | 100 – 240 VAC                                             |
|                     | Maximum Output Current (Outlet)   | NEMA 5-15R: 15A (Max)                                     | C13: 15A (Max)                                            | C13: 10A (Max)                                            |
|                     | Maximum Output Current (Bank)     | 15A (Max)                                                 | 15A (Max)                                                 | 10A (Max)                                                 |
|                     | Maximum Output Current (Total)    | 15A (Max)                                                 | 15A (Max)                                                 | 10A (Max))                                                |
|                     | Breakers                          | 1 x 15A Non-Fuse Breaker                                  | 1 x 15A Non-Fuse Breaker                                  | 1 x 15A Non-Fuse Breaker                                  |
|                     | Metering                          | Outlet level Current, Voltage, VA , PF and KWh Monitoring | Outlet level Current, Voltage, VA , PF and KWh Monitoring | Outlet level Current, Voltage, VA , PF and KWh Monitoring |
|                     | Outlet Switching                  | None                                                      | None                                                      | None                                                      |
|                     | Environment Sensor Ports          | 2                                                         | 2                                                         | 2                                                         |
| Physical Properties | Dimensions (L x W x H)            | 43.24 x 22.04 x 4.4 cm                                    | 43.24 x 22.04 x 4.4 cm                                    | 43.24 x 22.04 x 4.4 cm                                    |
|                     | Weight                            | 2.72 kg                                                   | 2.72 kg                                                   | 2.72 kg                                                   |
|                     | Power Cord Length                 | 3 m                                                       | 3 m                                                       | 3 m                                                       |
|                     | Power Cord Length                 | 3 m                                                       | 3 m                                                       | 3 m                                                       |
| Environmental       | Temperature (Operating / Storage) | 0 – 50°C / -20 – 60°C                                     | 0 – 50°C / -20 – 60°C                                     | 0 – 50°C / -20 – 60°C                                     |
|                     | Humidity (Operating & Storage)    | 0 – 80% RH, Non-Condensing                                | 0 – 80% RH, Non-Condensing                                | 0 – 80% RH, Non-Condensing                                |
| Compliance          | EMC Verification                  | FCC, Others by Request                                    | FCC, Others by Request                                    | CE, Others by Request                                     |
|                     | Safety Verification               | TUV-CB, cTUVus, Others by Request                         | TUV-CB, cTUVus, Others by Request                         | TUV-CB, CE-LVD, Others by Request                         |

Product Overview (PE7108A)



Product Overview (PE7108B / PE7108G)



Product Detail



Product Detail



## Specification > PE7208

|                     | Function                          | PE7208A                                                  | PE7208B                                                  | PE7208G                                                  |
|---------------------|-----------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 120 VAC                                            | 100 – 240 VAC                                            | 100 – 240 VAC                                            |
|                     | Maximum Input Current             | 20A (Max)                                                | 20A (Max)                                                | 16A (Max)                                                |
|                     | Input Frequency                   | 50-60 Hz                                                 | 50-60 Hz                                                 | 50-60 Hz                                                 |
|                     | Input Connection                  | NEMA 5-20P                                               | NEMA 6-20P                                               | IEC 60320 C20                                            |
|                     | Input Power                       | 2400 VA (Max)                                            | 4160 VA (Max)                                            | 3680 VA (Max)                                            |
|                     | Outlet Type                       | <b>Total:</b> 8 x NEMA 5-20R                             | <b>Total:</b> 7 x IEC320 C13 + 1 x IEC320 C19            | <b>Total:</b> 7 x IEC320 C13 + 1 x IEC320 C19            |
|                     | Nominal Output Voltage            | 100 – 120 VAC                                            | 100 – 240 VAC                                            | 100 – 240 VAC                                            |
|                     | Maximum Output Current (Outlet)   | NEMA 5-20R: 20A (Max)                                    | C13: 15A (Max)<br>C19: 20A (Max)                         | C13: 10A (Max)<br>C19: 16A (Max)                         |
|                     | Maximum Output Current (Bank)     | 20A (Max)                                                | 20A (Max)                                                | 16A (Max)                                                |
|                     | Maximum Output Current (Total)    | 20A (Max)                                                | 20A (Max)                                                | 16A (Max)                                                |
|                     | Breakers                          | 1 x 20A Non-Fuse Breaker                                 | 1 x 20A Non-Fuse Breaker                                 | 1 x 16A Non-Fuse Breaker                                 |
|                     | Metering                          | Outlet level Current, Voltage, VA, PF and KWh Monitoring | Outlet level Current, Voltage, VA, PF and KWh Monitoring | Outlet level Current, Voltage, VA, PF and KWh Monitoring |
|                     | Outlet Switching                  | None                                                     | None                                                     | None                                                     |
|                     | Environment Sensor Ports          | 2                                                        | 2                                                        | 2                                                        |
| Physical Properties | Dimensions (L x W x H)            | 43.24 x 22.04 x 4.4 cm                                   | 43.24 x 22.04 x 4.4 cm                                   | 43.24 x 22.04 x 4.4 cm                                   |
|                     | Weight                            | 2.74 kg                                                  | 2.74 kg                                                  | 2.74 kg                                                  |
|                     | Power Cord Length                 | 3 m                                                      | 3 m                                                      | 3 m                                                      |
|                     | Temperature (Operating / Storage) | 0 – 50°C / -20 – 60°C                                    | 0 – 50°C / -20 – 60°C                                    | 0 – 50°C / -20 – 60°C                                    |
| Environmental       | Humidity (Operating & Storage)    | 0 – 80% RH, Non-Condensing                               | 0 – 80% RH, Non-Condensing                               | 0 – 80% RH, Non-Condensing                               |
|                     | Compliance                        | FCC, Others by Request                                   | FCC, Others by Request                                   | CE, Others by Request                                    |
| Compliance          | EMC Verification                  | FCC, Others by Request                                   | FCC, Others by Request                                   | CE, Others by Request                                    |
|                     | Safety Verification               | TUV-CB, cTUVus, Others by Request                        | TUV-CB, cTUVus, Others by Request                        | TUV-CB, CE-LVD, Others by Request                        |

### Product Overview (PE7208A)

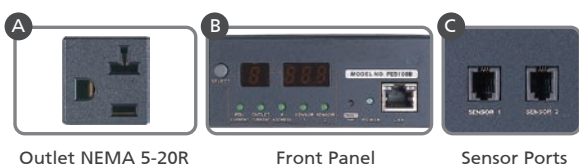


Front View



Rear View

### Product Detail



Outlet NEMA 5-20R

Front Panel

Sensor Ports

### Product Overview (PE7208B / PE7208G)

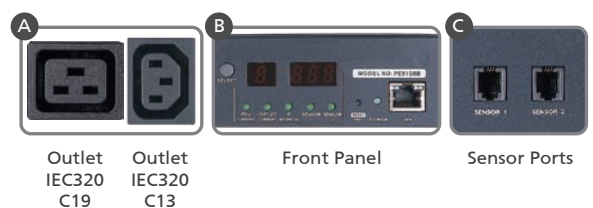


Front View



Rear View

### Product Detail



Outlet IEC320 C19  
Outlet IEC320 C13

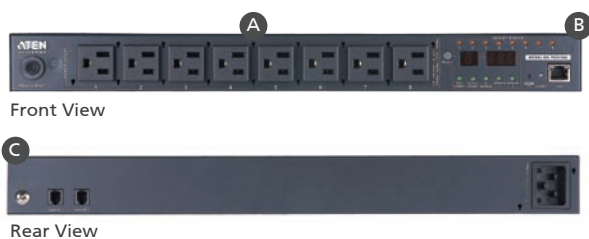
Front Panel

Sensor Ports

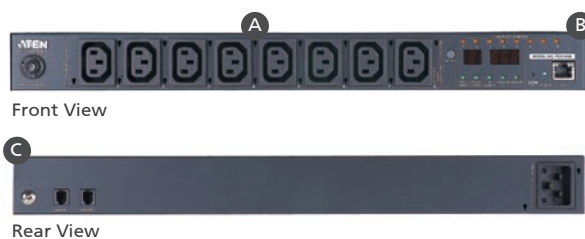
## Specification > PE8108

|                     | Function                          | PE8108A                                                   | PE8108B                                                   | PE8108G                                                   |
|---------------------|-----------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 120 VAC                                             | 100 – 240 VAC                                             | 100 – 240 VAC                                             |
|                     | Maximum Input Current             | 15A (Max)                                                 | 15A (Max)                                                 | 10A (Max)                                                 |
|                     | Input Frequency                   | 50-60 Hz                                                  | 50-60 Hz                                                  | 50-60 Hz                                                  |
|                     | Input Connection                  | NEMA 5-15P                                                | NEMA 6-15P                                                | IEC 60320 C14                                             |
|                     | Input Power                       | 1800 VA (Max)                                             | 3120 VA (Max)                                             | 2300 VA (Max)                                             |
|                     | Outlet Type                       | <b>Total: 8 x NEMA 5-15R</b>                              | <b>Total: 8 x IEC320 C13</b>                              | <b>Total: 8 x IEC320 C13</b>                              |
|                     | Nominal Output Voltage            | 100 – 120 VAC                                             | 100 – 240 VAC                                             | 100 – 240 VAC                                             |
|                     | Maximum Output Current (Outlet)   | NEMA 5-15R: 15A (Max)                                     | C13: 15A (Max)                                            | C13: 10A (Max)                                            |
|                     | Maximum Output Current (Bank)     | 15A (Max)                                                 | 15A (Max)                                                 | 10A (Max)                                                 |
|                     | Maximum Output Current (Total)    | 15A (Max)                                                 | 15A (Max)                                                 | 10A (Max)                                                 |
|                     | Breakers                          | 1 x 15A Non-Fuse Breaker                                  | 1 x 15A Non-Fuse Breaker                                  | 1 x 15A Non-Fuse Breaker                                  |
|                     | Metering                          | Outlet level Current, Voltage, VA , PF and KWh Monitoring | Outlet level Current, Voltage, VA , PF and KWh Monitoring | Outlet level Current, Voltage, VA , PF and KWh Monitoring |
|                     | Outlet Switching                  | Yes                                                       | Yes                                                       | Yes                                                       |
|                     | Environment Sensor Ports          | 2                                                         | 2                                                         | 2                                                         |
| Physical Properties | Dimensions (L x W x H)            | 43.24 x 22.04 x 4.4 cm                                    | 43.24 x 22.04 x 4.4 cm                                    | 43.24 x 22.04 x 4.4 cm                                    |
|                     | Weight                            | 2.75 kg                                                   | 2.75 kg                                                   | 2.75 kg                                                   |
|                     | Power Cord Length                 | 3 m                                                       | 3 m                                                       | 3 m                                                       |
|                     | Power Cord Length                 | 3 m                                                       | 3 m                                                       | 3 m                                                       |
| Environmental       | Temperature (Operating / Storage) | 0 – 50°C / -20 – 60°C                                     | 0 – 50°C / -20 – 60°C                                     | 0 – 50°C / -20 – 60°C                                     |
|                     | Humidity (Operating & Storage)    | 0 – 80% RH, Non-Condensing                                | 0 – 80% RH, Non-Condensing                                | 0 – 80% RH, Non-Condensing                                |
| Compliance          | EMC Verification                  | FCC, Others by Request                                    | FCC, Others by Request                                    | CE, Others by Request                                     |
|                     | Safety Verification               | TUV-CB, cTUVus, Others by Request                         | TUV-CB, cTUVus, Others by Request                         | TUV-CB, CE-LVD, GOST, Others by Request                   |

Product Overview (PE8108A)



Product Overview (PE8108B / PE8108G)



Product Detail



Product Detail



## Specification > PE8208

|                     | Function                          | PE8208A                                                  | PE8208B                                                  | PE8208G                                                  |
|---------------------|-----------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 120 VAC                                            | 100 – 240 VAC                                            | 100 – 240 VAC                                            |
|                     | Maximum Input Current             | 20A (Max)                                                | 20A (Max)                                                | 16A (Max)                                                |
|                     | Input Frequency                   | 50-60 Hz                                                 | 50-60 Hz                                                 | 50-60 Hz                                                 |
|                     | Input Connection                  | NEMA 5-20P                                               | NEMA 6-20P                                               | IEC 60320 C20                                            |
|                     | Input Power                       | 2400 VA (Max)                                            | 4160 VA (Max)                                            | 3680 VA (Max)                                            |
|                     | Outlet Type                       | <b>Total:</b> 8 x NEMA 5-20R                             | <b>Total:</b> 7 x IEC320 C13 + 1 x IEC320 C19            | <b>Total:</b> 7 x IEC320 C13 + 1 x IEC320 C19            |
|                     | Nominal Output Voltage            | 100 – 120 VAC                                            | 100 – 240 VAC                                            | 100 – 240 VAC                                            |
|                     | Maximum Output Current (Outlet)   | NEMA 5-20R: 20A (Max)                                    | C13: 15A (Max)<br>C19: 20A (Max)                         | C13: 10A (Max)<br>C19: 16A (Max)                         |
|                     | Maximum Output Current (Bank)     | 20A (Max)                                                | 20A (Max)                                                | 16A (Max)                                                |
|                     | Maximum Output Current (Total)    | 20A (Max)                                                | 20A (Max)                                                | 16A (Max)                                                |
|                     | Breakers                          | 1 x 20A Non-Fuse Breaker                                 | 1 x 20A Non-Fuse Breaker                                 | 1 x 16A Non-Fuse Breaker                                 |
|                     | Metering                          | Outlet level Current, Voltage, VA, PF and KWh Monitoring | Outlet level Current, Voltage, VA, PF and KWh Monitoring | Outlet level Current, Voltage, VA, PF and KWh Monitoring |
|                     | Outlet Switching                  | Yes                                                      | Yes                                                      | Yes                                                      |
|                     | Environment Sensor Ports          | 2                                                        | 2                                                        | 2                                                        |
| Physical Properties | Dimensions (L x W x H)            | 43.24 x 22.04 x 4.4 cm                                   | 43.24 x 22.04 x 4.4 cm                                   | 43.24 x 22.04 x 4.4 cm                                   |
|                     | Weight                            | 2.84 kg                                                  | 2.84 kg                                                  | 2.84 kg                                                  |
|                     | Power Cord Length                 | 3 m                                                      | 3 m                                                      | 3 m                                                      |
|                     | Temperature (Operating / Storage) | 0 – 50°C / -20 – 60°C                                    | 0 – 50°C / -20 – 60°C                                    | 0 – 50°C / -20 – 60°C                                    |
| Environmental       | Humidity (Operating & Storage)    | 0 – 80% RH, Non-Condensing                               | 0 – 80% RH, Non-Condensing                               | 0 – 80% RH, Non-Condensing                               |
|                     | Compliance                        | FCC, Others by Request                                   | FCC, Others by Request                                   | CE, Others by Request                                    |
| Compliance          | EMC Verification                  | FCC, Others by Request                                   | FCC, Others by Request                                   | CE, Others by Request                                    |
|                     | Safety Verification               | TUV-CB, cTUVus, Others by Request                        | TUV-CB, cTUVus, Others by Request                        | TUV-CB, CE-LVD, GOST, Others by Request                  |

### Product Overview (PE8208A)



Front View



Rear View

### Product Detail



Outlet NEMA 5-20R

Front Panel

Sensor Ports

### Product Overview (PE8208B / PE8208G)



Front View



Rear View

### Product Detail



Outlet IEC320 C19  
Outlet IEC320 C13

Front Panel

Sensor Ports

# ECO PDU

Intelligent 0U Rack PDU

PE5216 / PE5221T / PE5224T / PE5316 / PE5324 / PE5324T / PE5342T  
PE6216 / PE6324 / PE6324L / PE7216 / PE7324  
PE8216 / PE8324 / PE8324T



PE5216 / PE5221T / PE5224T  
PE5324 / PE5324T / PE5342T  
• Bank level power status measurement

PE6216 / PE6324 / PE6324L  
• Remote power control  
• Proactive overload protection  
• Bank level power status measurement

PE7216 / PE7324  
• Bank and outlet level power status measurement  
• Door sensor support

PE8216 / PE8324 / PE8324T  
• Remote power control  
• Proactive overload protection  
• Bank and outlet level power status measurement  
• Door sensor support

## Power Distribution

- Space saving rack mount design with rear mounting
- IEC or NEMA outlet models
- 3 x 7-segment front panel LED shows Current / IP Address / Bank
- Remote users can monitor PDU/Bank status via web browser
- Safe shutdown support
- Separate power for the unit and its power outlets – the user interface is still accessible even when an overload trips the circuit breakers

## Remote Access

- Remote power control over TCP/IP via built-in 10/100 Ethernet port (PE6 / PE8 only)
- Network Protocols: TCP/IP, UDP, HTTP, HTTPS, SSL, SMTP, DHCP, NTP, DNS, auto sense, Ping, Telnet
- PDU Power Management software – eco Sensors
- Supports SNMP Manager V1, V2 & V3

## Operation

- Remote power control (On, Off, Power Cycle) by individual outlet (PE6 / PE8 only)
- Multiple power control methods – Wake on LAN, System After AC Back, Kill the Power (PE6 / PE8 only)
- Power-on sequencing – set the sequence and time delay for each outlet to power-on equipment in the correct order (PE6 / PE8 only)
- Proactive Overload Protection (POP) automatically powers off outlets during current overloads to protect connected devices (PE6 / PE8 only)
- Easy setup and operation via browser-based interface
- Multibrowser support (IE, Mozilla, Firefox, Chrome, Safari, Opera, Netscape)
- RTC support to keep the clock/timer running without power
- Up to 8 user accounts and 1 administrator account

## Management

- Power status measurement at the bank level (PE5 / PE6), or bank and outlet level (PE7 / PE8)
- LED indicators for current and IP address
- Real-time aggregate current, voltage, and power and power dissipation displayed in a browser-based UI for monitoring
- Environment monitoring via external sensors for rack temperature and humidity readings and alerts
- Current, voltage, power dissipation, energy consumption, temperature and humidity threshold settings
- Supports naming of outlets
- Event logging and syslog support
- Supports Management Information Base (MIB) files for SNMP
- Upgradeable firmware
- Supports Door Sensor (PE7 / PE8 only)
- Multilingual support: English, Traditional Chinese, Simplified Chinese, Japanese, German, Italian, Spanish, French, Russian

## Security

- Two-level password security
- Security features include password protection advanced encryption technologies – 128 bit SSL
- Remote authentication support: RADIUS

## Hardware Design

- Thin form factor offers 8% more space in the rack to increase airflow, cooling efficiency and easier maintenance.

Note: Product information is subject to change without prior notification.

## IEC System

| Model      | Rack Space | Input Voltage | (Max) AMP | Input Plug    | # of Banks | Outlets                          | Outlet Control | Metering Level |
|------------|------------|---------------|-----------|---------------|------------|----------------------------------|----------------|----------------|
| PE5216G    | 0U         | 100-240V      | 16A       | IEC 60320 C20 | 1 x 16A    | 14 x IEC320 C13 + 2 x IEC320 C19 | None           | Bank           |
| PE5221T**  | 0U         | 100-240V      | 16A       | IEC 60320 C20 | 1 x 16A    | 18 x IEC320 C13 + 3 x IEC320 C19 | None           | Bank           |
| PE5316     | 0U         | 100-240V      | 32A       | IEC 60309 32A | 2 x 16A    | 6 x IEC320 C13 + 10 x IEC320 C19 | None           | Bank           |
| PE5324G    | 0U         | 100-240V      | 32A       | IEC 60309 32A | 2 x 16A    | 21 x IEC320 C13 + 3 x IEC320 C19 | None           | Bank           |
| PE5342TG** | 0U         | 100-240V      | 32A       | IEC 60309 32A | 2 x 16A    | 36 x IEC320 C13 + 6 x IEC320 C19 | None           | Bank           |
| PE6216G    | 0U         | 100-240V      | 16A       | IEC 60320 C20 | 1 x 16A    | 14 x IEC320 C13 + 2 x IEC320 C19 | Yes            | Bank           |
| PE6324G    | 0U         | 100-240V      | 32A       | IEC 60309 32A | 2 x 16A    | 21 x IEC320 C13 + 3 x IEC320 C19 | Yes            | Bank           |
| PE6324LG*  | 0U         | 100-240V      | 32A       | IEC 60309 32A | 2 x 16A    | 21 x IEC320 C13 + 3 x IEC320 C19 | Yes            | Bank           |
| PE7216G    | 0U         | 100-240V      | 16A       | IEC 60320 C20 | 1 x 16A    | 14 x IEC320 C13 + 2 x IEC320 C19 | None           | Outlet         |
| PE7324G    | 0U         | 100-240V      | 32A       | IEC 60309 32A | 2 x 16A    | 21 x IEC320 C13 + 3 x IEC320 C19 | None           | Outlet         |
| PE8216G    | 0U         | 100-240V      | 16A       | IEC 60320 C20 | 1 x 16A    | 14 x IEC320 C13 + 2 x IEC320 C19 | Yes            | Outlet         |
| PE8324G    | 0U         | 100-240V      | 32A       | IEC 60309 32A | 2 x 16A    | 21 x IEC320 C13 + 3 x IEC320 C19 | Yes            | Outlet         |
| PE8324TG** | 0U         | 100-240V      | 32A       | IEC 60309 32A | 2 x 16A    | 20 x IEC320 C13 + 4 x IEC320 C19 | Yes            | Outlet         |

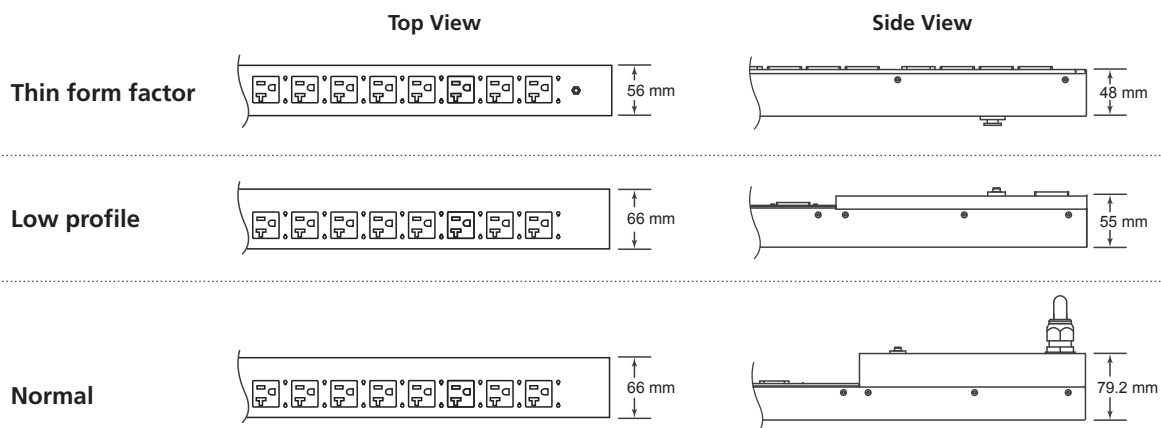
## NEMA System

| Model      | Rack Space | Input Voltage | (Max) AMP | Input Plug  | # of Banks | Outlets                          | Outlet Control | Metering Level |
|------------|------------|---------------|-----------|-------------|------------|----------------------------------|----------------|----------------|
| PE5216A    | 0U         | 100-120V      | 20A       | NEMA 5-20P  | 1 x 20A    | 14 x NEMA 5-15R + 2 x NEMA 5-20R | None           | Bank           |
| PE5216B    | 0U         | 100-240V      | 20A       | NEMA 6-20P  | 1 x 20A    | 14 x IEC320 C13 + 2 x IEC320 C19 | None           | Bank           |
| PE5221T**  | 0U         | 100-240V      | 16A       | NEMA 6-20P  | 1 x 20A    | 18 x IEC320 C13 + 3 x IEC320 C19 | None           | Bank           |
| PE5224TA   | 0U         | 100-120V      | 20A       | NEMA 5-20P  | 1 x 20A    | 24 x NEMA 5-20R                  | None           | Bank           |
| PE5324B    | 0U         | 100-240V      | 30A       | NEMA L6-30P | 2 x 15A    | 21 x IEC320 C13 + 3 x IEC320 C19 | None           | Bank           |
| PE5324TA** | 0U         | 100-120V      | 30A       | NEMA L5-30P | 2 x 15A    | 24 x NEMA 5-20R                  | None           | Bank           |
| PE5342TB** | 0U         | 100-240V      | 30A       | NEMA L6-30P | 2 x 15A    | 36 x IEC320 C13 + 6 x IEC320 C19 | None           | Bank           |
| PE6216A    | 0U         | 100-120V      | 20A       | NEMA 5-20P  | 1 x 20A    | 14 x NEMA 5-15R + 2 x NEMA 5-20R | Yes            | Bank           |
| PE6216B    | 0U         | 100-240V      | 20A       | NEMA 6-20P  | 1 x 20A    | 14 x IEC320 C13 + 2 x IEC320 C19 | Yes            | Bank           |
| PE6324B    | 0U         | 100-240V      | 30A       | NEMA L6-30P | 2 x 15A    | 21 x IEC320 C13 + 3 x IEC320 C19 | Yes            | Bank           |
| PE6324LB*  | 0U         | 100-240V      | 30A       | NEMA L6-30P | 2 x 15A    | 21 x IEC320 C13 + 3 x IEC320 C19 | Yes            | Bank           |
| PE7216B    | 0U         | 100-240V      | 20A       | NEMA 6-20P  | 1 x 20A    | 14 x IEC320 C13 + 2 x IEC320 C19 | None           | Outlet         |
| PE7324B    | 0U         | 100-240V      | 30A       | NEMA L6-30P | 2 x 16A    | 21 x IEC320 C13 + 3 x IEC320 C19 | None           | Outlet         |
| PE8216B    | 0U         | 100-240V      | 20A       | NEMA 6-20P  | 1 x 20A    | 14 x IEC320 C13 + 2 x IEC320 C19 | Yes            | Outlet         |
| PE8324A    | 0U         | 100-120V      | 30A       | NEMA L5-30P | 2 x 15A    | 24 x NEMA 5-15R                  | Yes            | Outlet         |
| PE8324B    | 0U         | 100-240V      | 30A       | NEMA L6-30P | 2 x 15A    | 21 x IEC320 C13 + 3 x IEC320 C19 | Yes            | Outlet         |
| PE8324TA** | 0U         | 100-120V      | 30A       | NEMA L5-30P | 2 x 15A    | 24 x NEMA 5-20R                  | Yes            | Outlet         |
| PE8324TB** | 0U         | 100-240V      | 30A       | NEMA L6-30P | 2 x 15A    | 20 x IEC320 C13 + 4 x IEC320 C19 | Yes            | Outlet         |

\* Low profile dimension.

\*\* Thin form factor.

Note: The PE8T series will be available in Q4 of 2017.



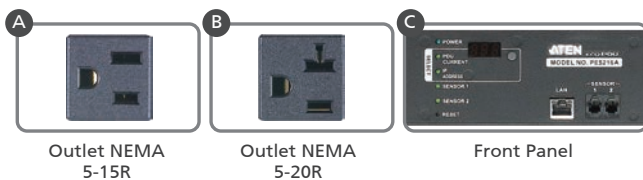
## Specification > PE5216

| Function            |                                   | PE5216A                                                                                                                                                                     | PE5216B                                                                                                                                             | PE5216G                                                                                                                                             |
|---------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 120 VAC                                                                                                                                                               | 100 – 240 VAC                                                                                                                                       | 100 – 240 VAC                                                                                                                                       |
|                     | Maximum Input Current             | 20A (Max)                                                                                                                                                                   | 20A (Max)                                                                                                                                           | 16A (Max)                                                                                                                                           |
|                     | Input Frequency                   | 50-60 Hz                                                                                                                                                                    | 50-60 Hz                                                                                                                                            | 50-60 Hz                                                                                                                                            |
|                     | Input Connection                  | NEMA 5-20P                                                                                                                                                                  | NEMA 6-20P                                                                                                                                          | IEC 60320 C20                                                                                                                                       |
|                     | Input Power                       | 2400 VA (Max)                                                                                                                                                               | 4160 VA (Max)                                                                                                                                       | 3680 VA (Max)                                                                                                                                       |
|                     | Outlet Type                       | Total: 14 x NEMA 5-15R +<br>2 x NEMA 5-20R<br>Bank1-1: Outlet 1 – 8;<br>7 x NEMA 5-15R +<br>1 x NEMA 5-20R<br>Bank1-2: Outlet 9 – 16;<br>7 x NEMA 5-15R +<br>1 x NEMA 5-20R | Total: 14 x IEC320 C13 +<br>2 x IEC320 C19<br>Bank1-1: Outlet 1 – 8;<br>7 x C13 + 1 x C19<br>Bank1-2: Outlet 9 – 16;<br>7 x C13 + 1 x C19           | Total: 14 x IEC320 C13 +<br>2 x IEC320 C19<br>Bank1-1: Outlet 1 – 8;<br>7 x C13 + 1 x C19<br>Bank1-2: Outlet 9 – 16;<br>7 x C13 + 1 x C19           |
|                     | Nominal Output Voltage            | 100 – 120 VAC                                                                                                                                                               | 100 – 240 VAC                                                                                                                                       | 100 – 240 VAC                                                                                                                                       |
|                     | Maximum Output Current (Outlet)   | NEMA 5-15R: 15A (Max)<br>NEMA 5-20R: 20A (Max)                                                                                                                              | C13: 15A (Max)<br>C19: 20A (Max)                                                                                                                    | C13: 10A (Max)<br>C19: 16A (Max)                                                                                                                    |
|                     | Maximum Output Current (Bank)     | 20A (Max)                                                                                                                                                                   | 20A (Max)                                                                                                                                           | 16A (Max)                                                                                                                                           |
|                     | Maximum Output Current (Total)    | 20A (Max)                                                                                                                                                                   | 20A (Max)                                                                                                                                           | 16A (Max)                                                                                                                                           |
|                     | Breakers                          | 1 x 20A Non-Fuse Breaker                                                                                                                                                    | 1 x 20A Non-Fuse Breaker                                                                                                                            | 1 x 16A Non-Fuse Breaker                                                                                                                            |
|                     | Metering                          | Bank Level Current,<br>Voltage, VA, PF and kWh<br>Monitoring                                                                                                                | Bank Level Current,<br>Voltage, VA, PF and kWh<br>Monitoring                                                                                        | Bank Level Current,<br>Voltage, VA, PF and kWh<br>Monitoring                                                                                        |
|                     | Outlet Switching                  | None                                                                                                                                                                        | None                                                                                                                                                | None                                                                                                                                                |
|                     | Environment Sensor Ports          | 2                                                                                                                                                                           | 2                                                                                                                                                   | 2                                                                                                                                                   |
| Physical Properties | Metering Accuracy                 | Voltage Range:<br>100VAC ~ 250VAC +/-1%<br>Power Range:<br>100W ~ Maximum Capacity<br>+/- 2%<br>Current Range:<br>0.1A~1A +/- 0.1A,<br>1A~20A +/-1%                         | Voltage Range:<br>100VAC ~ 250VAC +/-1%<br>Power Range:<br>100W ~ Maximum Capacity<br>+/- 2%<br>Current Range:<br>0.1A~1A +/- 0.1A,<br>1A~20A +/-1% | Voltage Range:<br>100VAC ~ 250VAC +/-1%<br>Power Range:<br>100W ~ Maximum Capacity<br>+/- 2%<br>Current Range:<br>0.1A~1A +/- 0.1A,<br>1A~20A +/-1% |
|                     | Dimensions (L x W x H)            | 132.8 x 6.6 x 4.4 cm                                                                                                                                                        | 132.8 x 6.6 x 4.4 cm                                                                                                                                | 132.8 x 6.6 x 4.4 cm                                                                                                                                |
|                     | Weight                            | 3.47 kg                                                                                                                                                                     | 3.47 kg                                                                                                                                             | 3.47 kg                                                                                                                                             |
|                     | Power Cord Length                 | 3 m                                                                                                                                                                         | 3 m                                                                                                                                                 | 3 m                                                                                                                                                 |
| Environmental       | Temperature (Operating / Storage) | 0–50°C / -20–60°C                                                                                                                                                           | 0–50°C / -20–60°C                                                                                                                                   | 0–40°C / -20–60°C                                                                                                                                   |
|                     | Humidity (Operating & Storage)    | 0–80% RH,<br>Non-Condensing                                                                                                                                                 | 0–80% RH,<br>Non-Condensing                                                                                                                         | 0–80% RH,<br>Non-Condensing                                                                                                                         |
| Compliance          | EMC Verification                  | FCC, Others by Request                                                                                                                                                      | FCC, Others by Request                                                                                                                              | CE, C-Tick, Others by Request                                                                                                                       |
|                     | Safety Verification               | cTUVus, PSE,<br>Others by Request                                                                                                                                           | cTUVus, PSE,<br>Others by Request                                                                                                                   | TUV-CB, GOST,<br>Others by Request                                                                                                                  |

### Product Overview (PE5216A)



### Product Detail



### Product Overview (PE5216B / PE5216G)



### Product Detail



## Specification > PE5221T

|                     | Function                          | PE5221T                                                                                                                                 |
|---------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 240 VAC                                                                                                                           |
|                     | Maximum Input Current             | 16A (Max)                                                                                                                               |
|                     | Input Frequency                   | 50-60 Hz                                                                                                                                |
|                     | Input Connection                  | For B Plug: NEMA 6-20P<br>For G Plug: IEC60320 C20                                                                                      |
|                     | Input Power                       | 3680 VA (Max)                                                                                                                           |
|                     | Outlet Type                       | Total: 18 x IEC320 C13 + 3 x IEC320 C19                                                                                                 |
|                     | Nominal Output Voltage            | 100 – 240 VAC                                                                                                                           |
|                     | Maximum Output Current (Outlet)   | For B Plug:<br>C13: 12A<br>C19: 16A<br>For G Plug:<br>C13: 10A<br>C19: 16A                                                              |
|                     | Maximum Output Current (Bank)     | 16A (Max)                                                                                                                               |
|                     | Maximum Output Current (Total)    | 16A (Max)                                                                                                                               |
|                     | Metering                          | Bank Level Current, Voltage, VA , PF and kWh Monitoring                                                                                 |
|                     | Outlet Switching                  | None                                                                                                                                    |
|                     | Environment Sensor Ports          | 2                                                                                                                                       |
|                     | Metering Accuracy                 | Voltage Range: 100VAC ~ 250VAC +/-1 %<br>Power Range: 100W ~ Maximum Capacity +/- 2 %<br>Current range: 0.1A~1A +/- 0.1A, 1A~20A +/-1 % |
| Physical Properties | Dimensions (L x W x H)            | 90.2 x 5.6 x 4.8 cm                                                                                                                     |
|                     | Weight                            | 2.34 kg                                                                                                                                 |
|                     | Power Cord Length                 | 3 m                                                                                                                                     |
| Environmental       | Temperature (Operating / Storage) | For B Plug : 0 – 50°C / -20 – 60°C<br>For G Plug: 0 – 40°C / -20 – 60°C                                                                 |
|                     | Humidity (Operating & Storage)    | 0–80% RH, Non-Condensing                                                                                                                |
| Compliance          | EMC Verification                  | CE, FCC, J55022, Others by Request                                                                                                      |
|                     | Safety Verification               | CE-LVD, PSE, Others by Request                                                                                                          |

### Product Overview (PE5221T)



### Product Detail



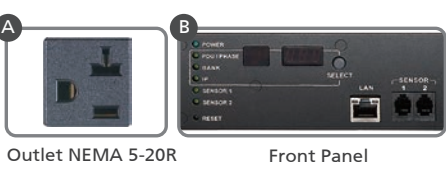
## Specification > PE5224T

|                     | Function                          | PE5224TA                                                                                                                                                  |
|---------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 120 VAC                                                                                                                                             |
|                     | Maximum Input Current             | 20A (Max)                                                                                                                                                 |
|                     | Input Frequency                   | 50-60 Hz                                                                                                                                                  |
|                     | Input Connection                  | NEMA 5-20P                                                                                                                                                |
|                     | Input Power                       | 2400 VA (Max)                                                                                                                                             |
|                     | Outlet Type                       | <b>Total:</b> 24 x NEMA 5-20R<br><b>Bank 1-1:</b> Outlet 1-12; 12 x NEMA 5-20R<br><b>Bank 1-2:</b> Outlet 13-24; 12 x NEMA 5-20R                          |
|                     | Nominal Output Voltage            | 100 – 120 VAC                                                                                                                                             |
|                     | Maximum Output Current (Outlet)   | NEMA 5-20R: 20A (Max)                                                                                                                                     |
|                     | Maximum Output Current (Bank)     | 20A (Max)                                                                                                                                                 |
|                     | Maximum Output Current (Total)    | 20A (Max)                                                                                                                                                 |
|                     | Metering                          | Bank Level Current, Voltage, VA , PF and kWh Monitoring                                                                                                   |
|                     | Outlet Switching                  | None                                                                                                                                                      |
|                     | Environment Sensor Ports          | 2                                                                                                                                                         |
|                     | Metering Accuracy                 | <b>Voltage Range:</b> 100VAC ~ 250VAC +/-1%<br><b>Power range:</b> 100W ~ Maximum Capacity +/- 2%<br><b>Current range:</b> 0.1A~1A +/- 0.1A, 1A~20A +/-1% |
| Physical Properties | Dimensions (L x W x H)            | 177.5 x 5.6 x 4.8 cm                                                                                                                                      |
|                     | Weight                            | 3.93 kg                                                                                                                                                   |
|                     | Power Cord Length                 | 3 m                                                                                                                                                       |
| Environmental       | Temperature (Operating / Storage) | 0–50°C / -20–60°C                                                                                                                                         |
|                     | Humidity (Operating & Storage)    | 0–80% RH, Non-Condensing                                                                                                                                  |
| Compliance          | EMC Verification                  | FCC, J55022, Others by Request                                                                                                                            |
|                     | Safety Verification               | PSE, Others by Request                                                                                                                                    |

### Product Overview (PE5224TA)



### Product Detail



Outlet NEMA 5-20R

Front Panel

## Specification > PE5316

|                     | Function                          | PE5316                                                                                                                               |
|---------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 240 VAC                                                                                                                        |
|                     | Maximum Input Current             | 32A (Max)                                                                                                                            |
|                     | Input Frequency                   | 50-60 Hz                                                                                                                             |
|                     | Input Connection                  | For G Plug: IEC 60309 32A<br>For X Plug: Terminal Block                                                                              |
|                     | Input Power                       | 7360 VA(Max)                                                                                                                         |
|                     | Outlet Type                       | Total : 6 x IEC320 C13 + 10 x IEC 320 C19                                                                                            |
|                     | Nominal Output Voltage            | 100 – 240 VAC                                                                                                                        |
|                     | Maximum Output Current (Outlet)   | C13: 10A (Max)<br>C19: 16A (Max)                                                                                                     |
|                     | Maximum Output Current (Total)    | 32A (Max)                                                                                                                            |
|                     | Switch                            | 2 x 16A Air Switch                                                                                                                   |
|                     | Metering                          | Bank level Current, Voltage, VA , PF and kWh Monitoring                                                                              |
|                     | Outlet Switching                  | None                                                                                                                                 |
|                     | Environment Sensor Ports          | 2                                                                                                                                    |
|                     | Metering Accuracy                 | Voltage Range: 100VAC ~ 250VAC +/-1%<br>Power Range: 100W ~ Maximum Capacity +/- 2%<br>Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1% |
| Physical Properties | Dimensions (L x W x H)            | 148 x 5.6 x 4.8 cm                                                                                                                   |
|                     | Weight                            | TBD                                                                                                                                  |
|                     | Power Cord Length                 | For G Plug: 3 m<br>For X Plug: NA                                                                                                    |
| Environmental       | Temperature (Operating / Storage) | 0 – 40°C / -20 – 60°C                                                                                                                |
|                     | Humidity (Operating & Storage)    | 0 – 80% RH, Non-Condensing                                                                                                           |
| Compliance          | EMC Verification                  | CE, Others by Request                                                                                                                |
|                     | Safety Verification               | CE-LVD, Others by Request                                                                                                            |

### Product Overview (PE5316)



### Product Detail



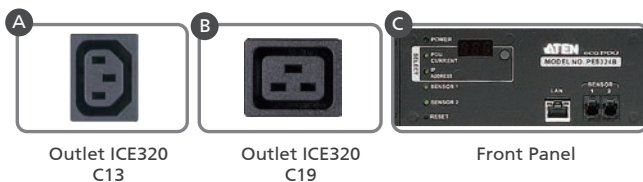
## Specification > PE5324

|                     | Function                          | PE5324B                                                                                                                                                                      | PE5324G                                                                                                                                                                      |
|---------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 240 VAC                                                                                                                                                                | 100 – 240 VAC                                                                                                                                                                |
|                     | Maximum Input Current             | 30A (Max)                                                                                                                                                                    | 32A (Max)                                                                                                                                                                    |
|                     | Input Frequency                   | 50-60 Hz                                                                                                                                                                     | 50-60 Hz                                                                                                                                                                     |
|                     | Input Connection                  | NEMA L6-30P                                                                                                                                                                  | IEC 60309 32A                                                                                                                                                                |
|                     | Input Power                       | 6240 VA (Max)                                                                                                                                                                | 7360 VA (Max)                                                                                                                                                                |
|                     | Outlet Type                       | Total: 21 x IEC320 C13 + 3 x IEC320 C19<br>Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19<br>Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19<br>Bank2: Outlet 17 – 24; 7 x C13 + 1 x C19 | Total: 21 x IEC320 C13 + 3 x IEC320 C19<br>Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19<br>Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19<br>Bank2: Outlet 17 – 24; 7 x C13 + 1 x C19 |
|                     | Nominal Output Voltage            | 100 – 240 VAC                                                                                                                                                                | 100 – 240 VAC                                                                                                                                                                |
|                     | Maximum Output Current (Outlet)   | C13: 15A (Max)<br>C19: 15A (Max)                                                                                                                                             | C13: 10A (Max)<br>C19: 16A (Max)                                                                                                                                             |
|                     | Maximum Output Current (Bank)     | 15A (Max)                                                                                                                                                                    | 16A (Max)                                                                                                                                                                    |
|                     | Maximum Output Current (Total)    | 30A (Max)                                                                                                                                                                    | 32A (Max)                                                                                                                                                                    |
|                     | Breakers                          | 2 x 16A UL489 Breaker                                                                                                                                                        | 2 x 16A UL489 Breaker                                                                                                                                                        |
|                     | Metering                          | Bank Level Current, Voltage, VA , PF and kWh Monitoring                                                                                                                      | Bank Level Current, Voltage, VA , PF and kWh Monitoring                                                                                                                      |
|                     | Outlet Switching                  | None                                                                                                                                                                         | None                                                                                                                                                                         |
|                     | Environment Sensor Ports          | 2                                                                                                                                                                            | 2                                                                                                                                                                            |
|                     | Metering Accuracy                 | Voltage Range:<br>100VAC ~ 250VAC +/-1%<br>Power Range:<br>100W ~ Maximum Capacity +/- 2%<br>Current Range:<br>0.1A~1A +/- 0.1A, 1A~20A +/-1%                                | Voltage Range:<br>100VAC ~ 250VAC +/-1%<br>Power Range:<br>100W ~ Maximum Capacity +/- 2%<br>Current Range:<br>0.1A~1A +/- 0.1A, 1A~20A +/-1%                                |
| Physical Properties | Dimensions (L x W x H)            | 177.5 x 6.6 x 4.4 cm                                                                                                                                                         | 177.5 x 6.6 x 4.4 cm                                                                                                                                                         |
|                     | Weight                            | 5.82 kg                                                                                                                                                                      | 5.82 kg                                                                                                                                                                      |
|                     | Power Cord Length                 | 1.6 m                                                                                                                                                                        | 1.6 m                                                                                                                                                                        |
| Environmental       | Temperature (Operating / Storage) | 0~50°C / -20~60°C                                                                                                                                                            | 0~40°C / -20~60°C                                                                                                                                                            |
|                     | Humidity (Operating & Storage)    | 0~80% RH, Non-Condensing                                                                                                                                                     | 0~80% RH, Non-Condensing                                                                                                                                                     |
| Compliance          | EMC Verification                  | FCC, Others by Request                                                                                                                                                       | CE, C-Tick, Others by Request                                                                                                                                                |
|                     | Safety Verification               | cTUVus, PSE, Others by Request                                                                                                                                               | TUV-CB, GOST, Others by Request                                                                                                                                              |

### Product Overview (PE5324B / PE5324G)



### Product Detail



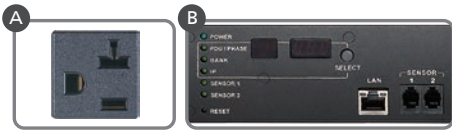
## Specification > PE5324T

|                     | Function                          | PE5324TA                                                                                                                       |
|---------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 120 VAC                                                                                                                  |
|                     | Maximum Input Current             | 30A (Max)                                                                                                                      |
|                     | Input Frequency                   | 50-60 Hz                                                                                                                       |
|                     | Input Connection                  | NEMA L5-30P                                                                                                                    |
|                     | Input Power                       | 3600 VA (Max)                                                                                                                  |
|                     | Outlet Type                       | <b>Total:</b> 24 x NEMA 5-20R<br><b>Bank1:</b> Outlet 1 – 12; 12 x NEMA 5-20R<br><b>Bank2:</b> Outlet 13 – 24; 12 x NEMA 5-20R |
|                     | Nominal Output Voltage            | 100 – 120 VAC                                                                                                                  |
|                     | Maximum Output Current (Outlet)   | NEMA 5-20R: 15A (Max)                                                                                                          |
|                     | Maximum Output Current (Bank)     | 15A (Max)                                                                                                                      |
|                     | Maximum Output Current (Total)    | 30A (Max)                                                                                                                      |
|                     | Breakers                          | 2 x 16A Slim Breaker                                                                                                           |
|                     | Metering                          | Bank Level Current, Voltage, VA , PF and kWh Monitoring                                                                        |
|                     | Outlet Switching                  | None                                                                                                                           |
|                     | Environment Sensor Ports          | 2                                                                                                                              |
| Physical Properties | Dimensions (L x W x H)            | 177.50 x 5.60 x 4.80 cm                                                                                                        |
|                     | Weight                            | 4.95 kg                                                                                                                        |
|                     | Power Cord Length                 | 3 m                                                                                                                            |
| Environmental       | Temperature (Operating / Storage) | 0–50°C / -20–60°C                                                                                                              |
|                     | Humidity (Operating & Storage)    | 0–80% RH, Non-Condensing                                                                                                       |
| Compliance          | EMC Verification                  | FCC, J55022, Others by Request                                                                                                 |
|                     | Safety Verification               | PSE, Others by Request                                                                                                         |

### Product Overview (PE5324TA)



### Product Detail



Outlet NEMA 5-20R

Front Panel

## Specification > PE5342T

|                     | Function                          | PE5342TB                                                                                                                                              | PE5342TG                                                                                                                                              |
|---------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 240 VAC                                                                                                                                         | 100 – 240 VAC                                                                                                                                         |
|                     | Maximum Input Current             | 30A (Max)                                                                                                                                             | 32A (Max)                                                                                                                                             |
|                     | Input Frequency                   | 50-60 Hz                                                                                                                                              | 50-60 Hz                                                                                                                                              |
|                     | Input Connection                  | NEMA L6-30P                                                                                                                                           | IEC 60309 32A                                                                                                                                         |
|                     | Input Power                       | 6240 VA (Max)                                                                                                                                         | 7360 VA (Max)                                                                                                                                         |
|                     | Outlet Type                       | <b>Total:</b> 36 x IEC320 C13 + 6 x IEC320 C19<br><b>Bank1:</b> Outlet 1 – 21; 18 x C13 + 3 x C19<br><b>Bank2:</b> Outlet 22 – 42; 18 x C13 + 3 x C19 | <b>Total:</b> 36 x IEC320 C13 + 6 x IEC320 C19<br><b>Bank1:</b> Outlet 1 – 21; 18 x C13 + 3 x C19<br><b>Bank2:</b> Outlet 22 – 42; 18 x C13 + 3 x C19 |
|                     | Nominal Output Voltage            | 100 – 240 VAC                                                                                                                                         | 100 – 240 VAC                                                                                                                                         |
|                     | Maximum Output Current (Outlet)   | C13: 15A (Max)<br>C19: 15A (Max)                                                                                                                      | C13: 10A (Max)<br>C19: 16A (Max)                                                                                                                      |
|                     | Maximum Output Current (Bank)     | 15A (Max)                                                                                                                                             | 16A (Max)                                                                                                                                             |
|                     | Maximum Output Current (Total)    | 30A (Max)                                                                                                                                             | 32A (Max)                                                                                                                                             |
|                     | Breakers                          | 2 x 16A Slim Breaker                                                                                                                                  | 2 x 16A Slim Breaker                                                                                                                                  |
|                     | Metering                          | Bank Level Current, Voltage, VA , PF and kWh Monitoring                                                                                               | Bank Level Current, Voltage, VA , PF and kWh Monitoring                                                                                               |
|                     | Outlet Switching                  | None                                                                                                                                                  | None                                                                                                                                                  |
|                     | Environment Sensor Ports          | 2                                                                                                                                                     | 2                                                                                                                                                     |
| Physical Properties | Dimensions (L x W x H)            | 177.5 x 5.6 x 4.8 cm                                                                                                                                  | 177.5 x 5.6 x 4.8 cm                                                                                                                                  |
|                     | Weight                            | 6.01 kg                                                                                                                                               | 5.57 kg                                                                                                                                               |
|                     | Power Cord Length                 | 3 m                                                                                                                                                   | 3 m                                                                                                                                                   |
| Environmental       | Temperature (Operating / Storage) | 0–50°C / -20–60°C                                                                                                                                     | 0–40°C / -20–60°C                                                                                                                                     |
|                     | Humidity (Operating & Storage)    | 0–80% RH, Non-Condensing                                                                                                                              | 0–80% RH, Non-Condensing                                                                                                                              |
| Compliance          | EMC Verification                  | FCC, J55022, Others by Request                                                                                                                        | CE, Others by Request                                                                                                                                 |
|                     | Safety Verification               | PSE, Others by Request                                                                                                                                | CE-LVD, Others by Request                                                                                                                             |

### Product Overview (PE5342TB / PE5342TG)



### Product Detail



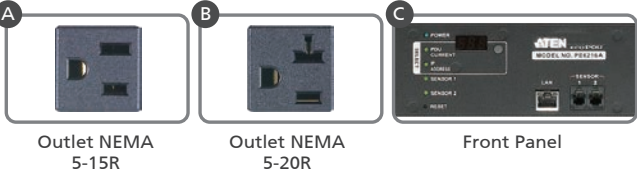
Specification > PE6216

| Function            |                                   | PE6216A                                                                                                                                                                     | PE6216B                                                                                                                                   | PE6216G                                                                                                                                   |
|---------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 120 VAC                                                                                                                                                               | 100 – 240 VAC                                                                                                                             | 100 – 240 VAC                                                                                                                             |
|                     | Maximum Input Current             | 20A (Max)                                                                                                                                                                   | 20A (Max)                                                                                                                                 | 16A (Max)                                                                                                                                 |
|                     | Input Frequency                   | 50-60 Hz                                                                                                                                                                    | 50-60 Hz                                                                                                                                  | 50-60 Hz                                                                                                                                  |
|                     | Input Connection                  | NEMA 5-20P                                                                                                                                                                  | NEMA 6-20P                                                                                                                                | IEC 60320 C20                                                                                                                             |
|                     | Input Power                       | 2400 VA (Max)                                                                                                                                                               | 4160 VA (Max)                                                                                                                             | 3680 VA (Max)                                                                                                                             |
|                     | Outlet Type                       | Total: 14 x NEMA 5-15R +<br>2 x NEMA 5-20R<br>Bank1-1: Outlet 1 – 8;<br>7 x NEMA 5-15R +<br>1 x NEMA 5-20R<br>Bank1-2: Outlet 9 – 16;<br>7 x NEMA 5-15R +<br>1 x NEMA 5-20R | Total: 14 x IEC320 C13 +<br>2 x IEC320 C19<br>Bank1-1: Outlet 1 – 8;<br>7 x C13 + 1 x C19<br>Bank1-2: Outlet 9 – 16;<br>7 x C13 + 1 x C19 | Total: 14 x IEC320 C13 +<br>2 x IEC320 C19<br>Bank1-1: Outlet 1 – 8;<br>7 x C13 + 1 x C19<br>Bank1-2: Outlet 9 – 16;<br>7 x C13 + 1 x C19 |
|                     | Nominal Output Voltage            | 100 – 120 VAC                                                                                                                                                               | 100 – 240 VAC                                                                                                                             | 100 – 240 VAC                                                                                                                             |
|                     | Maximum Output Current (Outlet)   | NEMA 5-15R: 15A (Max)<br>NEMA 5-20R: 20A (Max)                                                                                                                              | C13: 15A (Max)<br>C19: 20A (Max)                                                                                                          | C13: 10A (Max)<br>C19: 16A (Max)                                                                                                          |
|                     | Maximum Output Current (Bank)     | 20A (Max)                                                                                                                                                                   | 20A (Max)                                                                                                                                 | 16A (Max)                                                                                                                                 |
|                     | Maximum Output Current (Total)    | 20A (Max)                                                                                                                                                                   | 20A (Max)                                                                                                                                 | 16A (Max)                                                                                                                                 |
|                     | Breakers                          | 1 x 20A Non-Fuse Breaker                                                                                                                                                    | 1 x 20A Non-Fuse Breaker                                                                                                                  | 1 x 16A Non-Fuse Breaker                                                                                                                  |
|                     | Metering                          | Bank Level Current,<br>Voltage, VA , PF and kWh<br>Monitoring                                                                                                               | Bank Level Current,<br>Voltage, VA , PF and kWh<br>Monitoring                                                                             | Bank Level Current,<br>Voltage, VA , PF and kWh<br>Monitoring                                                                             |
|                     | Outlet Switching                  | Yes                                                                                                                                                                         | Yes                                                                                                                                       | Yes                                                                                                                                       |
|                     | Environment Sensor Ports          | 2                                                                                                                                                                           | 2                                                                                                                                         | 2                                                                                                                                         |
| Physical Properties | Dimensions (L x W x H)            | 132.48 x 6.6 x 4.4 cm                                                                                                                                                       | 132.48 x 6.6 x 4.4 cm                                                                                                                     | 132.48 x 6.6 x 4.4 cm                                                                                                                     |
|                     | Weight                            | 3.73 kg                                                                                                                                                                     | 3.73 kg                                                                                                                                   | 3.73 kg                                                                                                                                   |
|                     | Power Cord Length                 | 3 m                                                                                                                                                                         | 3 m                                                                                                                                       | 3 m                                                                                                                                       |
| Environmental       | Temperature (Operating / Storage) | 0–50°C / -20–60°C                                                                                                                                                           | 0–50°C / -20–60°C                                                                                                                         | 0–40°C / -20–60°C                                                                                                                         |
|                     | Humidity (Operating & Storage)    | 0–80% RH,<br>Non-Condensing                                                                                                                                                 | 0–80% RH,<br>Non-Condensing                                                                                                               | 0–80% RH,<br>Non-Condensing                                                                                                               |
| Compliance          | EMC Verification                  | FCC, Others by Request                                                                                                                                                      | FCC, Others by Request                                                                                                                    | CE, C-Tick, Others by Request                                                                                                             |
|                     | Safety Verification               | cTUVus, PSE,<br>Others by Request                                                                                                                                           | cTUVus, PSE,<br>Others by Request                                                                                                         | TUV-CB, GOST,<br>Others by Request                                                                                                        |

Product Overview (PE6216A)



Product Detail



Product Overview (PE6216B / PE6216G)



Product Detail



## Specification > PE6324

| Function            |                                   | PE6324B                                                                                                                                                                      | PE6324G                                                                                                                                                                      |
|---------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 240 VAC                                                                                                                                                                | 100 – 240 VAC                                                                                                                                                                |
|                     | Maximum Input Current             | 30A (Max)                                                                                                                                                                    | 32A (Max)                                                                                                                                                                    |
|                     | Input Frequency                   | 50-60 Hz                                                                                                                                                                     | 50-60 Hz                                                                                                                                                                     |
|                     | Input Connection                  | NEMA L6-30P                                                                                                                                                                  | IEC 60309 32A                                                                                                                                                                |
|                     | Input Power                       | 6240 VA (Max)                                                                                                                                                                | 7360 VA (Max)                                                                                                                                                                |
|                     | Outlet Type                       | Total: 21 x IEC320 C13 + 3 x IEC320 C19<br>Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19<br>Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19<br>Bank2: Outlet 17 – 24; 7 x C13 + 1 x C19 | Total: 21 x IEC320 C13 + 3 x IEC320 C19<br>Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19<br>Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19<br>Bank2: Outlet 17 – 24; 7 x C13 + 1 x C19 |
|                     | Nominal Output Voltage            | 100 – 240 VAC                                                                                                                                                                | 100 – 240 VAC                                                                                                                                                                |
|                     | Maximum Output Current (Outlet)   | C13: 15A (Max)<br>C19: 15A (Max)                                                                                                                                             | C13: 10A (Max)<br>C19: 16A (Max)                                                                                                                                             |
|                     | Maximum Output Current (Bank)     | 15A (Max)                                                                                                                                                                    | 16A (Max)                                                                                                                                                                    |
|                     | Maximum Output Current (Total)    | 30A (Max)                                                                                                                                                                    | 32A (Max)                                                                                                                                                                    |
|                     | Breakers                          | 2 x 16A UL489 Breaker                                                                                                                                                        | 2 x 16A UL489 Breaker                                                                                                                                                        |
|                     | Metering                          | Bank Level Current, Voltage, VA , PF and kWh Monitoring                                                                                                                      | Bank Level Current, Voltage, VA , PF and kWh Monitoring                                                                                                                      |
|                     | Outlet Switching                  | Yes                                                                                                                                                                          | Yes                                                                                                                                                                          |
|                     | Environment Sensor Ports          | 2                                                                                                                                                                            | 2                                                                                                                                                                            |
|                     | Metering Accuracy                 | Voltage Range:<br>100VAC ~ 250VAC +/-1%<br>Power Range:<br>100W ~ Maximum Capacity +/- 2%<br>Current Range:<br>0.1A~1A +/- 0.1A, 1A~20A +/-1%                                | Voltage Range:<br>100VAC ~ 250VAC +/-1%<br>Power Range:<br>100W ~ Maximum Capacity +/- 2%<br>Current Range:<br>0.1A~1A +/- 0.1A, 1A~20A +/-1%                                |
| Physical Properties | Dimensions (L x W x H)            | 177.5 x 6.6 x 4.4 cm                                                                                                                                                         | 177.5 x 6.6 x 4.4 cm                                                                                                                                                         |
|                     | Weight                            | 6.12 kg                                                                                                                                                                      | 6.12 kg                                                                                                                                                                      |
|                     | Power Cord Length                 | 1.6 m                                                                                                                                                                        | 1.6 m                                                                                                                                                                        |
| Environmental       | Temperature (Operating / Storage) | 0–50°C / -20–60°C                                                                                                                                                            | 0–40°C / -20–60°C                                                                                                                                                            |
|                     | Humidity (Operating & Storage)    | 0–80% RH, Non-Condensing                                                                                                                                                     | 0–80% RH, Non-Condensing                                                                                                                                                     |
| Compliance          | EMC Verification                  | FCC, Others by Request                                                                                                                                                       | CE, C-Tick, Others by Request                                                                                                                                                |
|                     | Safety Verification               | cTUVus, PSE, Others by Request                                                                                                                                               | TUV-CB, CE-LVD, Others by Request                                                                                                                                            |

### Product Overview (PE6324B / PE6324G)



### Product Detail



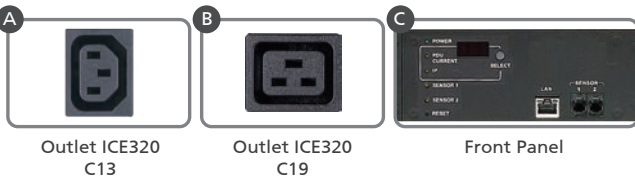
## Specification > PE6324L

|                     | Function                          | PE6324LB                                                                                                                                                                                                 | PE6324LG                                                                                                                                                                                                 |
|---------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 240 VAC                                                                                                                                                                                            | 100 – 240 VAC                                                                                                                                                                                            |
|                     | Maximum Input Current             | 30A (Max)                                                                                                                                                                                                | 32A (Max)                                                                                                                                                                                                |
|                     | Input Frequency                   | 50-60 Hz                                                                                                                                                                                                 | 50-60 Hz                                                                                                                                                                                                 |
|                     | Input Connection                  | NEMA L6-30P                                                                                                                                                                                              | IEC 60309 32A                                                                                                                                                                                            |
|                     | Input Power                       | 6240 VA (Max)                                                                                                                                                                                            | 7360 VA (Max)                                                                                                                                                                                            |
|                     | Outlet Type                       | <b>Total:</b> 21 x IEC320 C13 + 3 x IEC320 C19<br><b>Bank1-1:</b> Outlet 1 – 8; 7 x C13 + 1 x C19<br><b>Bank1-2:</b> Outlet 9 – 16; 7 x C13 + 1 x C19<br><b>Bank2:</b> Outlet 17 – 24; 7 x C13 + 1 x C19 | <b>Total:</b> 21 x IEC320 C13 + 3 x IEC320 C19<br><b>Bank1-1:</b> Outlet 1 – 8; 7 x C13 + 1 x C19<br><b>Bank1-2:</b> Outlet 9 – 16; 7 x C13 + 1 x C19<br><b>Bank2:</b> Outlet 17 – 24; 7 x C13 + 1 x C19 |
|                     | Nominal Output Voltage            | 100 – 240 VAC                                                                                                                                                                                            | 100 – 240 VAC                                                                                                                                                                                            |
|                     | Maximum Output Current (Outlet)   | C13: 15A (Max)<br>C19: 15A (Max)                                                                                                                                                                         | C13: 10A (Max)<br>C19: 16A (Max)                                                                                                                                                                         |
|                     | Maximum Output Current (Bank)     | 15A (Max)                                                                                                                                                                                                | 16A (Max)                                                                                                                                                                                                |
|                     | Maximum Output Current (Total)    | 30A (Max)                                                                                                                                                                                                | 32A (Max)                                                                                                                                                                                                |
|                     | Breakers                          | 2 x 16A Slim Breaker                                                                                                                                                                                     | 2 x 16A Slim Breaker                                                                                                                                                                                     |
|                     | Metering                          | Bank Level Current, Voltage, VA , PF and kWh Monitoring                                                                                                                                                  | Bank Level Current, Voltage, VA , PF and kWh Monitoring                                                                                                                                                  |
|                     | Outlet Switching                  | Yes                                                                                                                                                                                                      | Yes                                                                                                                                                                                                      |
|                     | Environment Sensor Ports          | 2                                                                                                                                                                                                        | 2                                                                                                                                                                                                        |
|                     | Metering Accuracy                 | <b>Voltage Range:</b><br>100VAC ~ 250VAC +/-1%<br><b>Power Range:</b><br>100W ~ Maximum Capacity +/- 2%<br><b>Current Range:</b><br>0.1A~1A +/- 0.1A, 1A~20A +/-1%                                       | <b>Voltage Range:</b><br>100VAC ~ 250VAC +/-1%<br><b>Power Range:</b><br>100W ~ Maximum Capacity +/- 2%<br><b>Current Range:</b><br>0.1A~1A +/- 0.1A, 1A~20A +/-1%                                       |
| Physical Properties | Dimensions (L x W x H)            | 177.5 x 6.6 x 4.4 cm                                                                                                                                                                                     | 177.5 x 6.6 x 4.4 cm                                                                                                                                                                                     |
|                     | Weight                            | 6.2 kg                                                                                                                                                                                                   | 6.2 kg                                                                                                                                                                                                   |
|                     | Power Cord Length                 | 1.6 m                                                                                                                                                                                                    | 1.6 m                                                                                                                                                                                                    |
| Environmental       | Temperature (Operating / Storage) | 0–50°C / -20–60°C                                                                                                                                                                                        | 0–50°C / -20–60°C                                                                                                                                                                                        |
|                     | Humidity (Operating & Storage)    | 0–80% RH, Non-Condensing                                                                                                                                                                                 | 0–80% RH, Non-Condensing                                                                                                                                                                                 |
| Compliance          | EMC Verification                  | FCC, Others by Request                                                                                                                                                                                   | CE, C-Tick, Others by Request                                                                                                                                                                            |
|                     | Safety Verification               | By Request                                                                                                                                                                                               | CE-LVD, Others by Request                                                                                                                                                                                |

### Product Overview (PE6324LB / PE6324LG)



### Product Detail



## Specification > PE7216

|                     | Function                          | PE7216B                                                                                                                                               | PE7216G                                                                                                                                               |
|---------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 240 VAC                                                                                                                                         | 100 – 240 VAC                                                                                                                                         |
|                     | Maximum Input Current             | 20A (Max)                                                                                                                                             | 16A (Max)                                                                                                                                             |
|                     | Input Frequency                   | 50-60 Hz                                                                                                                                              | 50-60 Hz                                                                                                                                              |
|                     | Input Connection                  | NEMA 6-20P                                                                                                                                            | IEC 60320 C20                                                                                                                                         |
|                     | Input Power                       | 4160 VA (Max)                                                                                                                                         | 3680 VA (Max)                                                                                                                                         |
|                     | Outlet Type                       | <b>Total:</b> 14 x IEC320 C13 + 2 x IEC320 C19<br><b>Bank1-1:</b> Outlet 1 – 8; 7 x C13 + 1 x C19<br><b>Bank1-2:</b> Outlet 9 – 16; 7 x C13 + 1 x C19 | <b>Total:</b> 14 x IEC320 C13 + 2 x IEC320 C19<br><b>Bank1-1:</b> Outlet 1 – 8; 7 x C13 + 1 x C19<br><b>Bank1-2:</b> Outlet 9 – 16; 7 x C13 + 1 x C19 |
|                     | Nominal Output Voltage            | 100 – 240 VAC                                                                                                                                         | 100 – 240 VAC                                                                                                                                         |
|                     | Maximum Output Current (Outlet)   | C13: 15A (Max)<br>C19: 20A (Max)                                                                                                                      | C13: 10A (Max)<br>C19: 16A (Max)                                                                                                                      |
|                     | Maximum Output Current (Bank)     | 20A (Max)                                                                                                                                             | 16A (Max)                                                                                                                                             |
|                     | Maximum Output Current (Total)    | 20A (Max)                                                                                                                                             | 16A (Max)                                                                                                                                             |
|                     | Breakers                          | 1 x 20A Non-Fuse breaker                                                                                                                              | 1 x 16A Non-Fuse breaker                                                                                                                              |
|                     | Metering                          | Outlet Level Current, Voltage, VA, PF, KWh Monitoring                                                                                                 | Outlet Level Current, Voltage, VA, PF, KWh Monitoring                                                                                                 |
|                     | Outlet Switching                  | None                                                                                                                                                  | None                                                                                                                                                  |
|                     | Environment Sensor Ports          | 4                                                                                                                                                     | 4                                                                                                                                                     |
| Physical Properties | Dimensions (L x W x H)            | 132.48 x 6.6 x 4.4 cm                                                                                                                                 | 132.48 x 6.6 x 4.4 cm                                                                                                                                 |
|                     | Weight                            | 3.7 kg                                                                                                                                                | 3.7 kg                                                                                                                                                |
|                     | Power Cord Length                 | 1.6 m                                                                                                                                                 | 1.6 m                                                                                                                                                 |
|                     | Power Cord Length                 | 1.6 m                                                                                                                                                 | 1.6 m                                                                                                                                                 |
| Environmental       | Temperature (Operating / Storage) | 0 – 50°C / -20 – 60°C                                                                                                                                 | 0 – 40°C / -20 – 60°C                                                                                                                                 |
|                     | Humidity (Operating & Storage)    | 0 – 80% RH, Non-Condensing                                                                                                                            | 0 – 80% RH, Non-Condensing                                                                                                                            |
| Compliance          | EMC Verification                  | FCC Part 15 Class A, Others by Request                                                                                                                | CE, Others by Request                                                                                                                                 |
|                     | Safety Verification               | TUV-CB, Others by Request                                                                                                                             | TUV-CB, CE-LVD, Others by Request                                                                                                                     |

### Product Overview (PE7216B / PE7216G)



### Product Detail



## Specification > PE7324

|                     | Function                          | PE7324B                                                                                                                                                                      | PE7324G                                                                                                                                                                      |
|---------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 240 VAC                                                                                                                                                                | 100 – 240 VAC                                                                                                                                                                |
|                     | Maximum Input Current             | 30A (Max)                                                                                                                                                                    | 32A(Max)                                                                                                                                                                     |
|                     | Input Frequency                   | 50-60 Hz                                                                                                                                                                     | 50-60 Hz                                                                                                                                                                     |
|                     | Input Connection                  | NEMA L6-30P                                                                                                                                                                  | IEC 60309 32A                                                                                                                                                                |
|                     | Input Power                       | 6240 VA (Max)                                                                                                                                                                | 7360 VA (Max)                                                                                                                                                                |
|                     | Outlet Type                       | Total: 21 x IEC320 C13 + 3 x IEC320 C19<br>Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19<br>Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19<br>Bank2: Outlet 17 – 24; 7 x C13 + 1 x C19 | Total: 21 x IEC320 C13 + 3 x IEC320 C19<br>Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19<br>Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19<br>Bank2: Outlet 17 – 24; 7 x C13 + 1 x C19 |
|                     | Nominal Output Voltage            | 100 – 240 VAC                                                                                                                                                                | 100 – 240 VAC                                                                                                                                                                |
|                     | Maximum Output Current (Outlet)   | C13: 15A (Max)<br>C19: 15A (Max)                                                                                                                                             | C13: 10A (Max)<br>C19: 16A(Max)                                                                                                                                              |
|                     | Maximum Output Current (Bank)     | 15A (Max)                                                                                                                                                                    | 16A (Max)                                                                                                                                                                    |
|                     | Maximum Output Current (Total)    | 30A (Max)                                                                                                                                                                    | 32A (Max)                                                                                                                                                                    |
|                     | Breakers                          | 2 x 16A UL489 Breaker                                                                                                                                                        | 2 x 16A UL489 Breaker                                                                                                                                                        |
|                     | Metering                          | Outlet Level Current, Voltage, VA , PF and kWh Monitoring                                                                                                                    | Outlet Level Current, Voltage, VA , PF and kWh Monitoring                                                                                                                    |
|                     | Outlet Switching                  | None                                                                                                                                                                         | None                                                                                                                                                                         |
|                     | Environment Sensor Ports          | 4                                                                                                                                                                            | 4                                                                                                                                                                            |
|                     | Metering Accuracy                 | Voltage Range:<br>100VAC ~ 250VAC +/-1%<br>Power Range:<br>100W ~ Maximum Capacity +/- 2%<br>Current Range:<br>0.1A~1A +/- 0.1A, 1A~20A +/-1%                                | Voltage Range:<br>100VAC ~ 250VAC +/-1%<br>Power Range:<br>100W ~ Maximum Capacity +/- 2%<br>Current Range:<br>0.1A~1A +/- 0.1A, 1A~20A +/-1%                                |
| Physical Properties | Dimensions (L x W x H)            | 177.5 x 6.6 x 4.4 cm                                                                                                                                                         | 177.5 x 6.6 x 4.4 cm                                                                                                                                                         |
|                     | Weight                            | 6.09 kg                                                                                                                                                                      | 6.09 kg                                                                                                                                                                      |
|                     | Power Cord Length                 | 1.6 m                                                                                                                                                                        | 1.6 m                                                                                                                                                                        |
| Environmental       | Temperature (Operating / Storage) | 0–50°C / -20–60°C                                                                                                                                                            | 0–40°C / -20–60°C                                                                                                                                                            |
|                     | Humidity (Operating & Storage)    | 0–80% RH, Non-Condensing                                                                                                                                                     | 0–80% RH, Non-Condensing                                                                                                                                                     |
| Compliance          | EMC Verification                  | FCC, Others by Request                                                                                                                                                       | CE, C-Tick, Others by Request                                                                                                                                                |
|                     | Safety Verification               | PSE, Others by Request                                                                                                                                                       | GOST, Others by Request                                                                                                                                                      |

### Product Overview (PE7324B / PE7324G)



### Product Detail



## Specification &gt; PE8216

|                     | Function                          | PE8216B                                                                                                                                               | PE8216G                                                                                                                                               |
|---------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 240 VAC                                                                                                                                         | 100 – 240 VAC                                                                                                                                         |
|                     | Maximum Input Current             | 20A (Max)                                                                                                                                             | 16A (Max)                                                                                                                                             |
|                     | Input Frequency                   | 50-60 Hz                                                                                                                                              | 50-60 Hz                                                                                                                                              |
|                     | Input Connection                  | NEMA 6-20P                                                                                                                                            | IEC 60320 C20                                                                                                                                         |
|                     | Input Power                       | 4160 VA (Max)                                                                                                                                         | 3680 VA (Max)                                                                                                                                         |
|                     | Outlet Type                       | <b>Total:</b> 14 x IEC320 C13 + 2 x IEC320 C19<br><b>Bank1-1:</b> Outlet 1 – 8; 7 x C13 + 1 x C19<br><b>Bank1-2:</b> Outlet 9 – 16; 7 x C13 + 1 x C19 | <b>Total:</b> 14 x IEC320 C13 + 2 x IEC320 C19<br><b>Bank1-1:</b> Outlet 1 – 8; 7 x C13 + 1 x C19<br><b>Bank1-2:</b> Outlet 9 – 16; 7 x C13 + 1 x C19 |
|                     | Nominal Output Voltage            | 100 – 240 VAC                                                                                                                                         | 100 – 240 VAC                                                                                                                                         |
|                     | Maximum Output Current (Outlet)   | C13: 15A (Max)<br>C19: 20A (Max)                                                                                                                      | C13: 10A (Max)<br>C19: 16A (Max)                                                                                                                      |
|                     | Maximum Output Current (Bank)     | 20A (Max)                                                                                                                                             | 16A (Max)                                                                                                                                             |
|                     | Maximum Output Current (Total)    | 20A (Max)                                                                                                                                             | 16A (Max)                                                                                                                                             |
|                     | Breakers                          | 1 x 20A Non-Fuse breaker                                                                                                                              | 1 x 16A Non-Fuse breaker                                                                                                                              |
|                     | Metering                          | Outlet Level Current, Voltage, VA, PF, KWh Monitoring                                                                                                 | Outlet Level Current, Voltage, VA, PF, KWh Monitoring                                                                                                 |
|                     | Outlet Switching                  | Yes                                                                                                                                                   | Yes                                                                                                                                                   |
|                     | Environment Sensor Ports          | 4                                                                                                                                                     | 4                                                                                                                                                     |
| Physical Properties | Dimensions (L x W x H)            | 132.48 x 6.6 x 4.4 cm                                                                                                                                 | 132.48 x 6.6 x 4.4 cm                                                                                                                                 |
|                     | Weight                            | 3.88 kg                                                                                                                                               | 3.88 kg                                                                                                                                               |
|                     | Power Cord Length                 | 1.6 m                                                                                                                                                 | 1.6 m                                                                                                                                                 |
|                     | Power Cord Length                 | 1.6 m                                                                                                                                                 | 1.6 m                                                                                                                                                 |
| Environmental       | Temperature (Operating / Storage) | 0 – 50°C / -20 – 60°C                                                                                                                                 | 0 – 40°C / -20 – 60°C                                                                                                                                 |
|                     | Humidity (Operating & Storage)    | 0 – 80% RH, Non-Condensing                                                                                                                            | 0 – 80% RH, Non-Condensing                                                                                                                            |
| Compliance          | EMC Verification                  | FCC Part 15 Class A, Others by Request                                                                                                                | CE, Others by Request                                                                                                                                 |
|                     | Safety Verification               | TUV-CB, Others by Request                                                                                                                             | CE-LVD, Others by Request                                                                                                                             |

## Product Overview (PE8216B / PE8216G)



## Product Detail



## Specification > PE8324

|                     | Function                          | PE8324A                                                                                                                                                                                 | PE8324B                                                                                                                                                                                                              | PE8324G                                                                                                                                                                                                              |
|---------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 120 VAC                                                                                                                                                                           | 100 – 240 VAC                                                                                                                                                                                                        | 100 – 240 VAC                                                                                                                                                                                                        |
|                     | Maximum Input Current             | 30A (Max)                                                                                                                                                                               | 30A (Max)                                                                                                                                                                                                            | 32A (Max)                                                                                                                                                                                                            |
|                     | Input Frequency                   | 50-60 Hz                                                                                                                                                                                | 50-60 Hz                                                                                                                                                                                                             | 50-60 Hz                                                                                                                                                                                                             |
|                     | Input Connection                  | NEMA L5-30P                                                                                                                                                                             | NEMA L6-30P                                                                                                                                                                                                          | IEC 60309 32A                                                                                                                                                                                                        |
|                     | Input Power                       | 6240 VA (Max)                                                                                                                                                                           | 6240 VA (Max)                                                                                                                                                                                                        | 7360 VA (Max)                                                                                                                                                                                                        |
|                     | Outlet Type                       | <b>Total:</b> 24 x NEMA 5-15R<br><b>Bank1-1:</b> Outlet 1 – 8;<br>8 x NEMA 5-15R<br><b>Bank1-2:</b> Outlet 9 – 16;<br>8 x NEMA 5-15R<br><b>Bank2:</b> Outlet 17 – 24;<br>8 x NEMA 5-15R | <b>Total:</b> 21 x IEC320 C13 +<br>3 x IEC320 C19<br><b>Bank1-1:</b> Outlet 1 – 8;<br>7 x C13 + 1 x C19<br><b>Bank1-2:</b> Outlet 9 – 16;<br>7 x C13 + 1 x C19<br><b>Bank2:</b> Outlet 17 – 24;<br>7 x C13 + 1 x C19 | <b>Total:</b> 21 x IEC320 C13 +<br>3 x IEC320 C19<br><b>Bank1-1:</b> Outlet 1 – 8;<br>7 x C13 + 1 x C19<br><b>Bank1-2:</b> Outlet 9 – 16;<br>7 x C13 + 1 x C19<br><b>Bank2:</b> Outlet 17 – 24;<br>7 x C13 + 1 x C19 |
|                     | Nominal Output Voltage            | 100 – 120 VAC                                                                                                                                                                           | 100 – 240 VAC                                                                                                                                                                                                        | 100 – 240 VAC                                                                                                                                                                                                        |
|                     | Maximum Output Current (Outlet)   | NEMA 5-15R: 15A (Max)                                                                                                                                                                   | C13: 15A (Max)<br>C19: 15A (Max)                                                                                                                                                                                     | C13: 10A (Max)<br>C19: 16A (Max)                                                                                                                                                                                     |
|                     | Maximum Output Current (Bank)     | 15A (Max)                                                                                                                                                                               | 15A (Max)                                                                                                                                                                                                            | 16A (Max)                                                                                                                                                                                                            |
|                     | Maximum Output Current (Total)    | 30A (Max)                                                                                                                                                                               | 30A (Max)                                                                                                                                                                                                            | 32A (Max)                                                                                                                                                                                                            |
|                     | Breakers                          | 2 x 16A UL489 Breaker                                                                                                                                                                   | 2 x 16A UL489 Breaker                                                                                                                                                                                                | 2 x 16A UL489 Breaker                                                                                                                                                                                                |
|                     | Metering                          | Outlet Level Current,<br>Voltage, VA, PF, KWh<br>Monitoring                                                                                                                             | Outlet Level Current,<br>Voltage, VA, PF, KWh<br>Monitoring                                                                                                                                                          | Outlet Level Current,<br>Voltage, VA, PF, KWh<br>Monitoring                                                                                                                                                          |
|                     | Outlet Switching                  | Yes                                                                                                                                                                                     | Yes                                                                                                                                                                                                                  | Yes                                                                                                                                                                                                                  |
|                     | Environment Sensor Ports          | 4                                                                                                                                                                                       | 4                                                                                                                                                                                                                    | 4                                                                                                                                                                                                                    |
|                     | Metering Accuracy                 | <b>Voltage Range:</b><br>100VAC ~ 250VAC +/-1%<br><b>Power Range:</b><br>100W ~ Maximum Capacity<br>+/- 2%<br><b>Current Range:</b><br>0.1A~1A +/- 0.1A,<br>1A~20A +/-1%                | <b>Voltage Range:</b><br>100VAC ~ 250VAC +/-1%<br><b>Power Range:</b><br>100W ~ Maximum Capacity<br>+/- 2%<br><b>Current Range:</b><br>0.1A~1A +/- 0.1A,<br>1A~20A +/-1%                                             | <b>Voltage Range:</b><br>100VAC ~ 250VAC +/-1%<br><b>Power Range:</b><br>100W ~ Maximum Capacity<br>+/- 2%<br><b>Current Range:</b><br>0.1A~1A +/- 0.1A,<br>1A~20A +/-1%                                             |
| Physical Properties | Dimensions (L x W x H)            | 177.5 x 6.6 x 4.4 cm                                                                                                                                                                    | 177.5 x 6.6 x 4.4 cm                                                                                                                                                                                                 | 177.5 x 6.6 x 4.4 cm                                                                                                                                                                                                 |
|                     | Weight                            | 6.33 kg                                                                                                                                                                                 | 6.33 kg                                                                                                                                                                                                              | 6.33 kg                                                                                                                                                                                                              |
|                     | Power Cord Length                 | 1.6 m                                                                                                                                                                                   | 1.6 m                                                                                                                                                                                                                | 1.6 m                                                                                                                                                                                                                |
| Environmental       | Temperature (Operating / Storage) | 0 – 50°C / -20 – 60°C                                                                                                                                                                   | 0 – 50°C / -20 – 60°C                                                                                                                                                                                                | 0 – 40°C / -20 – 60°C                                                                                                                                                                                                |
|                     | Humidity (Operating & Storage)    | 0 – 80% RH,<br>Non-Condensing                                                                                                                                                           | 0 – 80% RH,<br>Non-Condensing                                                                                                                                                                                        | 0 – 80% RH,<br>Non-Condensing                                                                                                                                                                                        |
| Compliance          | EMC Verification                  | FCC Part 15 Class A,<br>Others by Request                                                                                                                                               | FCC Part 15 Class A,<br>Others by Request                                                                                                                                                                            | CE, Others by Request                                                                                                                                                                                                |
|                     | Safety Verification               | By Request                                                                                                                                                                              | TUV-CB, cTUVus,<br>Others by Request                                                                                                                                                                                 | TUV-CB, CE-LVD,<br>Others by Request                                                                                                                                                                                 |

Product Overview (PE8324A)



Product Detail

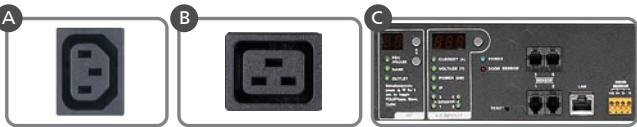


Outlet NEMA 5-15R      Front Panel

Product Overview (PE8324B)



Product Detail



Outlet ICE320 C13      Outlet ICE320 C19      Front Panel

Product Overview (PE8324G)



Product Detail

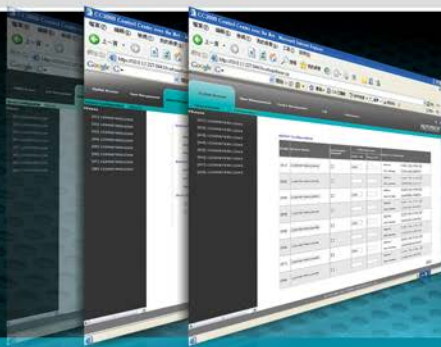


Outlet ICE320 C13      Outlet ICE320 C19      Front Panel

## Specification > PE8324T

| Function            |                                   | PE8324TA                                                                                                                                                                                                                                                | PE8324TB                                                                                                                                                                                                                                                             | PE8324TG                                                                                                                                                                                                                                                           |
|---------------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical          | Nominal Input Voltage             | 100 – 120 VAC                                                                                                                                                                                                                                           | 100 – 240 VAC                                                                                                                                                                                                                                                        | 100 – 240 VAC                                                                                                                                                                                                                                                      |
|                     | Maximum Input Current             | 30A (Max)                                                                                                                                                                                                                                               | 30A (Max)                                                                                                                                                                                                                                                            | 32A (Max)                                                                                                                                                                                                                                                          |
|                     | Input Frequency                   | 50-60 Hz                                                                                                                                                                                                                                                | 50-60 Hz                                                                                                                                                                                                                                                             | 50-60 Hz                                                                                                                                                                                                                                                           |
|                     | Input Connection                  | NEMA L5-30P                                                                                                                                                                                                                                             | NEMA L6-30P                                                                                                                                                                                                                                                          | IEC 60309 32A                                                                                                                                                                                                                                                      |
|                     | Input Power                       | 3600 VA (Max)                                                                                                                                                                                                                                           | 6240 VA (Max)                                                                                                                                                                                                                                                        | 7360 VA (Max)                                                                                                                                                                                                                                                      |
|                     | Outlet Type                       | <b>Total:</b> 24 x NEMA 5 -20R<br><b>Bank1-1:</b> Outlet 1 - 8;<br>8 x NEMA 5 - 20R<br><b>Bank1-2:</b> Outlet 9 - 12;<br>4 x NEMA 5 - 20R<br><b>Bank2-1:</b> Outlet 13 - 16;<br>4 x NEMA 5 - 20R<br><b>Bank2-2:</b> Outlet 17 - 24;<br>8 x NEMA 5 - 20R | <b>Total:</b> 20 x IEC320 C13 +<br>4 x IEC320 C19<br><b>Bank1-1:</b> Outlet 1 - 8;<br>6 x C13 + 2 x C19<br><b>Bank1-2:</b> Outlet 9 - 12;<br>4 x C13<br><b>Bank2-1:</b> Outlet 13 - 16;<br>3 x C13 + 1 x C19<br><b>Bank2-2:</b> Outlet 17 - 24;<br>7 x C13 + 1 x C19 | <b>Total:</b> 20 x IEC320 C13 +<br>4 x IEC320 C19<br><b>Bank1-1:</b> Outlet 1 - 8;<br>6 x C13 + 2 x C19<br><b>Bank1-2:</b> Outlet 9 - 12;<br>4 x C13<br><b>Bank2-1:</b> Outlet 13 - 16;<br>3 x C13 + 1 x C19<br><b>Bank2-2:</b> Outlet 17 - 24;<br>7 x C13 + 1 x C |
|                     | Nominal Output Voltage            | 100 – 120 VAC                                                                                                                                                                                                                                           | 100 – 240 VAC                                                                                                                                                                                                                                                        | 100 – 2400 VAC                                                                                                                                                                                                                                                     |
|                     | Maximum Output Current (Outlet)   | NEMA 5-20R: 15A (Max)                                                                                                                                                                                                                                   | C13: 15A (Max)<br>C19: 15A (Max)                                                                                                                                                                                                                                     | C13: 10A (Max)<br>C19: 16A (Max)                                                                                                                                                                                                                                   |
|                     | Maximum Output Current (Bank)     | 15A (Max)                                                                                                                                                                                                                                               | 15A (Max)                                                                                                                                                                                                                                                            | 16A (Max)                                                                                                                                                                                                                                                          |
|                     | Maximum Output Current (Total)    | 30A (Max)                                                                                                                                                                                                                                               | 30A (Max)                                                                                                                                                                                                                                                            | 32A (Max)                                                                                                                                                                                                                                                          |
|                     | Breakers                          | 2 x 16A UL489 Slim Breaker                                                                                                                                                                                                                              | 2 x 16A UL489 Slim Breaker                                                                                                                                                                                                                                           | 2 x 16A UL489 Slim Breaker                                                                                                                                                                                                                                         |
|                     | Metering                          | Outlet Level Current, Voltage, VA, PF and kWh Monitoring                                                                                                                                                                                                | Outlet Level Current, Voltage, VA, PF, kWh Monitoring                                                                                                                                                                                                                | Outlet Level Current, Voltage, VA, PF, kWh Monitoring                                                                                                                                                                                                              |
|                     | Outlet Switching                  | Yes                                                                                                                                                                                                                                                     | Yes                                                                                                                                                                                                                                                                  | Yes                                                                                                                                                                                                                                                                |
|                     | Environment Sensor Ports          | 4                                                                                                                                                                                                                                                       | 4                                                                                                                                                                                                                                                                    | 4                                                                                                                                                                                                                                                                  |
|                     | Metering Accuracy                 | <b>Voltage Range:</b><br>100VAC ~ 250VAC +/-1%<br><b>Power Range:</b><br>100W ~ Maximum Capacity +/- 2%<br><b>Current range:</b><br>0.1A~1A +/- 0.1A,<br>1A~ +/-1%                                                                                      | <b>Voltage Range:</b><br>100VAC ~ 250VAC +/-1%<br><b>Power Range:</b><br>100W ~ Maximum Capacity +/- 2%<br><b>Current range:</b><br>0.1A~1A +/- 0.1A,<br>1A~ +/-1%                                                                                                   | <b>Voltage Range:</b><br>100VAC ~ 250VAC +/-1%<br><b>Power Range:</b><br>100W ~ Maximum Capacity +/- 2%<br><b>Current range:</b><br>0.1A~1A +/- 0.1A,<br>1A~ +/-1%                                                                                                 |
| Physical Properties | Dimensions (L x W x H)            | 177.5 x 5.6 x 4.8 cm                                                                                                                                                                                                                                    | 177.5 x 5.6 x 4.8 cm                                                                                                                                                                                                                                                 | 177.5 x 5.6 x 4.8 cm                                                                                                                                                                                                                                               |
|                     | Weight                            | 6.33kg                                                                                                                                                                                                                                                  | 6.33kg                                                                                                                                                                                                                                                               | 6.33kg                                                                                                                                                                                                                                                             |
|                     | Power Cord Length                 | 1.6 m                                                                                                                                                                                                                                                   | 1.6 m                                                                                                                                                                                                                                                                | 1.6 m                                                                                                                                                                                                                                                              |
| Environmental       | Temperature (Operating / Storage) | 0–50°C / -20–60°C                                                                                                                                                                                                                                       | 0 – 50°C / -20 – 60°C                                                                                                                                                                                                                                                | 0 – 40°C / -20 – 60°C                                                                                                                                                                                                                                              |
|                     | Humidity (Operating & Storage)    | 0–80% RH, Non-Condensing                                                                                                                                                                                                                                | 0 – 80% RH, Non-Condensing                                                                                                                                                                                                                                           | 0 – 80% RH, Non-Condensing                                                                                                                                                                                                                                         |
| Compliance          | EMC Verification                  | FCC, J55022, Others by Request                                                                                                                                                                                                                          | FCC, J55022, Others by Request                                                                                                                                                                                                                                       | CE, Others by Request                                                                                                                                                                                                                                              |
|                     | Safety Verification               | PSE, Others by Request                                                                                                                                                                                                                                  | PSE, Others by Request                                                                                                                                                                                                                                               | CE-LVD, Others by Request                                                                                                                                                                                                                                          |





### What is eco Sensors software?

eco Sensors software gives you the tools to create a fully optimized, energy efficient data center. The software combines ATEN's cutting edge eco-technology with an intuitive GUI to deliver the best Data Center Infrastructure Management (DCIM) software on the market. ATEN's eco Sensors software not only gives you the means to assess, diagnose and estimate your energy saving potential, it provides advice on the best way to do it.

### Overview

ATEN's eco Sensors software perfectly synergizes with NRGence™ Energy Intelligence PDUs to provide the mechanisms to optimize your energy needs. The software and PDU can measure the Dynamic Rack Cooling Index (RCI) and Return Temperature Index (RTI). This allows data centers to analyze the operational efficiency of equipment versus the cost of cooling, in order to better manage power allocation. These indexes have been incorporated into the U.S. Department of Energy DC Pro software tools for data center energy assessments and the Data Center Energy Practitioner program.

Using ATEN's NRGence™ Energy Intelligence PDU and eco Sensors energy & DCIM management software, an administrator's data center is equipped with real time monitoring, measurements and EnPIs analysis that produce reports of power usage, PUE, RCI and RTI to meet the ISO 50001 requirements. With these critical indexes, you can generate customized reports about your data center's energy usage that include energy saving suggestions. Following these suggestions allows you to optimize energy usage and save energy without harming the IT equipment's reliability.

ATEN's eco Sensors software is available in a Server and Client version. The Server version offers the full functionalities of the eco Sensors software and is capable of managing the PDUs through SNMP and managing client nodes through TCP/IP. This allows multiple users to log in to the server node and manage PDUs in different authorized zones, making distributed PDU management much more efficient under one centralized environment. With the Client version, users can log in to a server node to monitor PDU status and control each outlet on the PDUs. Having the eco Sensors Server and Client version allows data centers to optimize their performance and centralize management with ease.



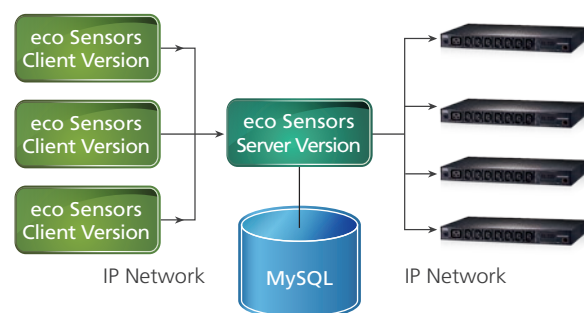
Real-time Rack Status Monitoring

### Server Version

- Offers full functionalities of eco Sensors
- Manage clients through TCP/IP
- Manage PDUs through SNMP

### Client Version

- Users are allowed to log in to the Server version
- Real time functions:
- Dashboard / Power Control / Group Control



eco Sensors Server & Client Version

## Benefits of eco Sensors Software

### Power Measurement and Scheduling by Zone

eco Sensors allows you to group racks in up to 128 zones and define specific areas that you wish to get readings for. Administrators can schedule power on & off by zone and monitor real-time stats with data such as peak and average power usage per zone.

### Power Analysis Report

eco Sensors offers comprehensive power analysis reports which can be segmented by departments and locations. It displays trending charts in real-time or according to the day, month, year, or grasp the power consumption needs of each season. By knowing the actual power consumption trends with easy to read charts, you can allocate energy resources and prevent wasted power capacity.

### Optimum Data Center Energy Management

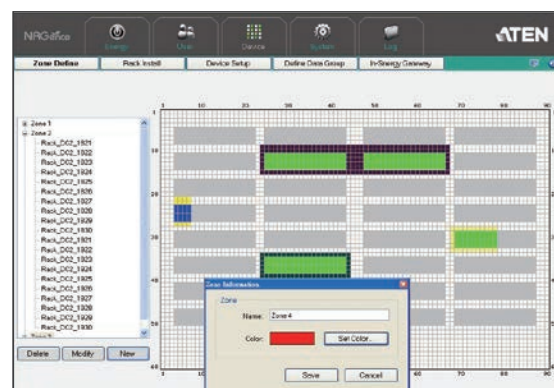
When used in conjunction with Sensor-enabled eco PDUs, eco Sensors Energy Management Software provides administrators with a real-time Rack Cooling Index<sup>®</sup> and dynamic power analysis to protect IT equipment from excess heat or insufficient power capacity.

### Fan Energy Saving & Chiller Energy Saving

eco Sensors software provides real-time power measurements and environmental monitoring of a data center from a variety of locations including: at the zone, rack, device or outlet level. By generating customized reports about your data center's status, administrators can evaluate the Fan Energy Saving & Chiller Energy Saving potential. With this information, administrators can quickly analyze and confirm how long it will take to recover the cost of investing new energy resources, and confirm the return on investment.

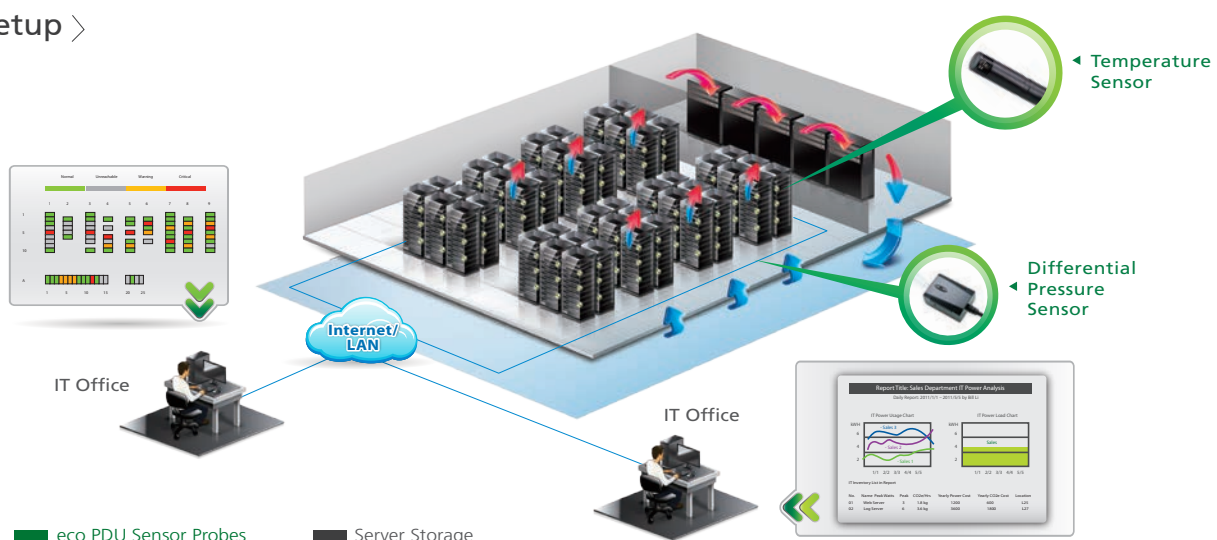


Energy Saving Estimates



Zone Setting

## Setup >



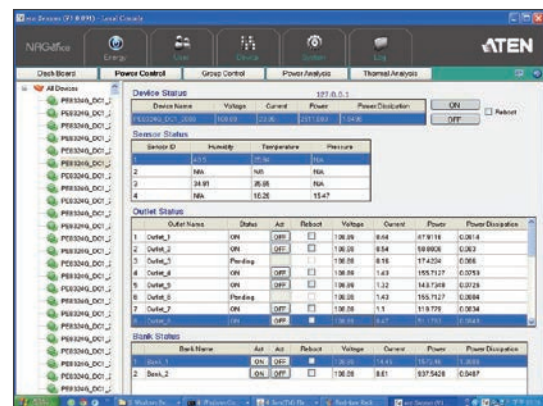
## Features of eco Sensors Software

- Automatic discovery of all PE devices within the same intranet
- Remote real-time power measurement and monitoring
  - PDU level current / voltage / power dissipation / power consumption
  - Outlet ON / OFF / Recycle status
- Second window to monitor a data center's PUE, RTI, RCI, Power, Carbon Footprint and rack status
- Remote real-time power outlet management\*
  - Power outlet ON / OFF / Cycle switching by outlet or user-defined group
  - Power outlet ON / OFF / Cycle switching with pre-defined schedule
  - User-defined outlet level delays for sequential power up
  - Current / Voltage / Power Dissipation / Power Consumption threshold level settings
  - User access assignment for every outlet
  - Name assignment to individual outlets
- Remote real-time environment sensor monitoring
  - Temperature / Temperature + Humidity / Temperature + Differential Pressure readings
  - Temperature and Humidity threshold level settings

- Plotting / Monitoring of all PE devices
  - Add data center server racks
  - Add PE devices for each server rack
  - Manage device/device outlet status for each plot
- Offers essential data center indices including Rack Intake Temperature, Rack Exhaust Temperature, Rack Equipment Temperature Difference, RCI ( Rack Cooling Index ), RTI ( Return Temperature Index ), RHI ( Rack Humidity Index ), RPI ( Rack Pressure Index ), RAI ( Rack Airflow Index )
- Power analysis report for optimizing data center energy management – including power usage, power load, power cost, CO2 cost, power capacity and trends
- Exceed threshold alert through SMTP and System log
- 1024 line event log
- System log provision
- Two-level password security
- Strong security features include password protection and advanced encryption technologies – 128 bit SSL



Overall Rack Cooling Effectiveness



Power Control

\* Not all functions are supported by all eco PDU PE models. Please visit [www.aten.com](http://www.aten.com) for more details.

## Functions

|        |                    |                                                                                      | Server Version | Client Version |
|--------|--------------------|--------------------------------------------------------------------------------------|----------------|----------------|
| Energy | Dash Board         | Real-time monitor of power usage, temperature and humidity                           | •              | •              |
|        | Power Control      | Monitor PDU status and control power outlets                                         | •              | •              |
|        | Group Control      | Control power outlet by group                                                        | •              | •              |
|        | Power Analysis     | Power usage analysis by hour, day, month or quarter year                             | •              |                |
|        | Thermal Analysis   | Thermal analysis by hour, day, month or quarter year                                 | •              |                |
| User   | Account            | Account management, access rights by function, device and group                      | •              |                |
| Device | Zone Define        | Define data center zone                                                              | •              |                |
|        | Rack Install       | Install server rack in data center                                                   | •              |                |
|        | Device Setup       | Setup PDU or Energy Box in data center                                               | •              |                |
|        | Define Data Group  | Define data group for report analysis, group control and schedule control            | •              |                |
|        | In-Synergy Gateway | Support external gateway for CT meter                                                | •              |                |
| System | Sys Settings       | System parameters, SNMP and SMTP Settings                                            | •              |                |
|        | Maintenance        | PDU and Energy Box firmware upgrade                                                  | •              |                |
|        | Database           | Database settings, capacity management, import/export, configuration, backup/restore | •              |                |
|        | Task               | Scheduling group outlet control and configure backup                                 | •              |                |
|        | Billing            | Electricity billing report                                                           | •              |                |
| Log    | System Log         | View system log                                                                      | •              |                |
|        | Log Options        | Log settings                                                                         | •              |                |
|        | Events             | Event settings                                                                       | •              |                |

## Hardware Requirements

|                  | Server Version                            | Client Version                            |
|------------------|-------------------------------------------|-------------------------------------------|
| Operating System | Windows 7 / Windows Server 2003 and later | Windows 7 / Windows Server 2003 and later |
| CPU              | 2.5 GHz Quad Core                         | 2.0 GHz Dual Core                         |
| Display          | Larger than 1024 x 768                    | Larger than 1024 x 768                    |
| Memory           | 4 GB                                      | 2 GB                                      |
| Disk             | 500 GB                                    | 100 GB                                    |
| Network          | 10/100 Mbps Ethernet                      | 10/100 Mbps Ethernet                      |

## System Parameters

|                          | Server Version              |
|--------------------------|-----------------------------|
| (Max) Accounts           | 128                         |
| Concurrent Logins        | 8                           |
| (Max) PDUs               | 2500                        |
| Data Center Layouts      | 45 x 30 / 72 x 48 / 90 x 60 |
| (Max) Racks              | 1250                        |
| (Max) Zones              | 128                         |
| Power Report History     | At least 3 years            |
| Real Time Dashboard Data | 300 GB                      |

## Optional Accessories

| Type                | Part No. | Description                                   | Images                                                                                |
|---------------------|----------|-----------------------------------------------|---------------------------------------------------------------------------------------|
| Environment Sensors | EA1140   | Temperature Sensor                            |    |
|                     | EA1240   | Temperature & Humidity Sensor                 |    |
|                     | EA1340   | Differential Pressure & Temperature           |    |
| Door Sensors        | EA1440   | Photo Door Sensor                             |    |
|                     | EA1441   | Inductive Proximity Door Sensor               |    |
|                     | EA1442   | Reed Door Sensor                              |    |
| Cable Holders       | 2X-EA07  | Lok-U-Plug Cable Holder (10 pcs per pack)     |    |
|                     | 2X-EA08  | Lok-U-Plug Installation Tool (4 pcs per pack) |    |
|                     | 2X-EA10  | C14 EZ-Lok Plug Connector                     |  |
|                     | 2X-EA11  | C20 EZ-Lok Plug Connector                     |  |
| Mounting Kits       | 2X-015G  | Double Mount Rail                             |  |
|                     | 2X-016G  | Slide Rail Kit                                |  |
|                     | 2X-017G  | Button Mount Kit                              |  |
|                     | 2X-018G  | Side Panel Mount Kit                          |  |
|                     | 2X-019G  | Side Panel Double Mount Kit                   |  |

## Available Power Outlets & Input Plugs

| Power Outlets |                                                                                                                              |
|---------------|------------------------------------------------------------------------------------------------------------------------------|
| IEC 60320 C13 |                                           |
| IEC 60320 C19 |                                           |
| NEMA 5-15R    | <br>NEMA 5-15R                            |
| NEMA 5-20R    | <br>NEMA 5-20R                            |
| Input Plugs   |                                                                                                                              |
| IEC 60320 C14 |                                           |
| IEC 60320 C20 |                                          |
| IEC 60309 32A |                                         |
| NEMA 5-15P    | <br>NEMA 5-15P                          |
| NEMA 5-20P    | <br>NEMA 5-20P                          |
| NEMA L5-30P   | <br>NEMA L5-30P<br>30 Amps<br>125 Volts |
| NEMA 6-15P    | <br>NEMA 6-15P                          |
| NEMA 6-20P    | <br>NEMA 6-20P                          |
| NEMA 6-30LP   | <br>NEMA 6-30LP                         |



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