

PE6216

20A/16A 16-Outlet Metered & Switched eco PDU

PE6216A



ATEN has developed a new generation of green energy power distribution units ([PDU](#)s) to effectively increase the efficiency of [data center](#) power usage. The PE6216 eco [PDU](#)s are intelligent [PDU](#)s that contain 16 AC outlets and are available in various IEC or NEMA socket configurations.

The series provides secure, centralized, intelligent power management (power on / off / cycle) of [data center](#) IT equipment (servers, storage systems, KVM switches, network devices, serial data devices, etc.), as well as the ability to monitor the center's health environment via sensors*.

The PE6216 eco [PDU](#) offers remote power control combined with realtime power measurement – allowing you to control and monitor the power status of devices attached to the [PDU](#)s, either at the [PDU](#) device or outlet level, from practically any location via a TCP/IP connection.

The power status of each outlet can be set individually, allowing users to switch each device On/Off. The eco [PDU](#) also offers comprehensive power analysis reports – providing precise measurements of current, voltage, power and watt-hour in a realtime display.

These eco [PDU](#)s support any 3rd party v1, v2 & v3 SNMP Manager Software and ATEN [eco DC](#) (Energy & DCIM Management Web GUI). [eco DC](#) provides an easy method for managing multiple devices, offering an intuitive and user-friendly GUI that allows users to configure a [PDU](#) device and monitor power status of the equipment connected to it.

With its advanced security features and ease of operation, the eco [PDU](#) is the most convenient, most reliable, and most cost effective way to remotely manage power access for multiple computer installations and allocate power resources in the most efficient way possible.

* Sensors are optional accessories. A sensor-enabled installation is required to generate a more complete energy-efficient data and chart.

Features

- **Power Distribution**
- Space saving 0U rack mount design with rear mounting
- IEC or NEMA outlet models
- 3 x 7-segment front panel LED shows Current / IP Address for [PDU](#) / Bank
- Remote users can monitor [PDU](#)/Bank status via web pages on their browsers
- Safe shutdown support
- Separate power for the unit’s own power and its power outlets – the user interface is still accessible even when an overload condition trips the devices’ circuit breaker

Remote Access

- Remote power control via TCP/IP and a built in 10 / 100 Ethernet port
- Network Protocols: TCP / IP, UDP, HTTP, HTTPS, SSL, SMTP, DHCP, NTP, DNS, auto sense, Ping,Telnet
- Energy & DCIM Management Web GUI – [eco DC](#)
- Supports SNMP Manager V1, V2 & V3

Operation

- Local and Remote power outlet control (On, Off, Power Cycle) by individual outlets
- Supports multiple power control methods – Wake on LAN, System After AC Back, Kill the Power
- Power-on sequencing – users can set the power on sequence and delay time for each port to allow equipment to be turned on in the proper order
- Easy setup and operation via a browser-based user interface
- Multibrowser support (IE, Firefox, Chrome, Safari, Opera, and Netscape)
- RTC support to keep the timer running during times of no power.
- Up to 8 user accounts and 1 administrator account
- Proactive Overload Protection (POP) – automatically powers off outlets when current overloads to protect operating devices

Management

- Power status measurement at the [PDU](#)/Bank level
- LED indicators for current and IP address at the [PDU](#) device and/or Bank levels
- Real-time aggregate current, voltage, and power and power dissipation displayed in a browser-based UI for monitoring at the [PDU](#) level
- Environment monitoring – supports external temperature / humidity / Differential Pressure sensors for rack environment monitoring
- Current and voltage threshold setting
- Naming support for outlets
- User outlet access assignment on an outlet-by-outlet basis
- Event logging and syslog support
- Upgradeable firmware
- Multilanguage support: English, Traditional Chinese, Simplified Chinese, Japanese, German, Italian, Spanish, French, Russian

Security

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

[eco DC Energy & DCIM Management Web GUI*](#)

- Automatic discovery of all PE devices within the same intranet
- Remote real-time power measurement and monitoring
- Remote real-time environment sensor monitoring
- Plotting/Monitoring of all PE devices
- Exceed threshold alert through SMTP and System log
- Power Analysis Report

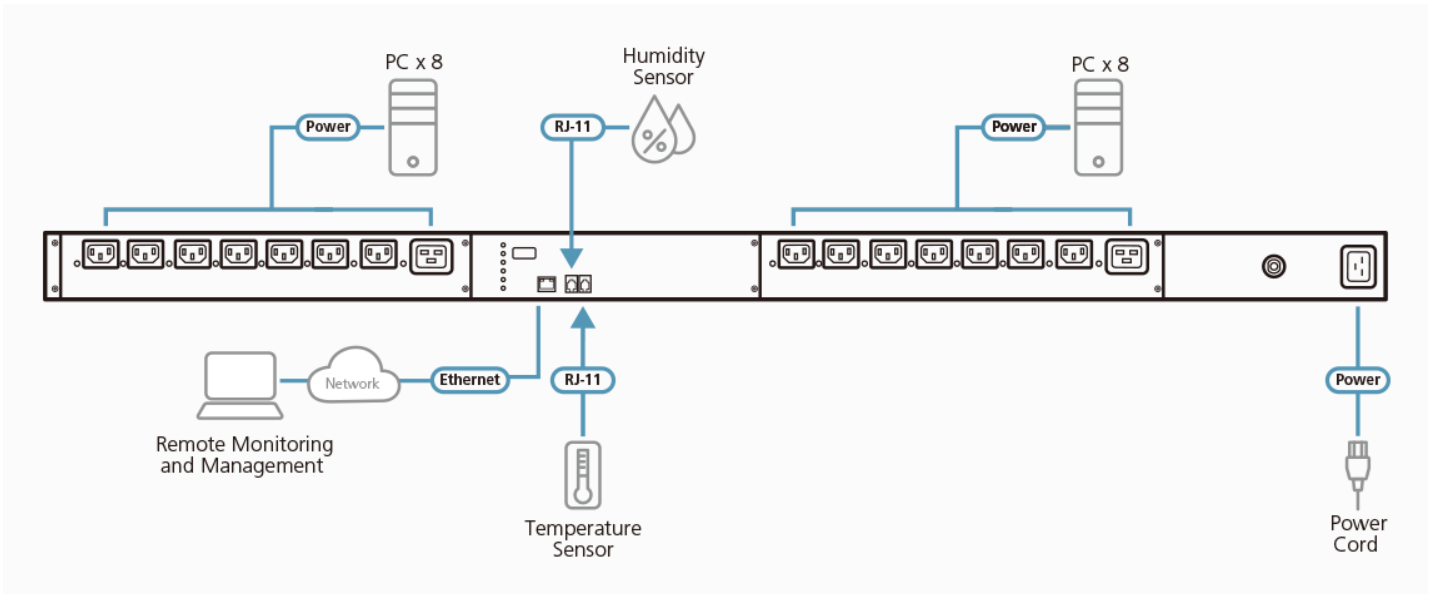
*[eco DC](#) is designed to work with [eco PDUs](#), and is bundled with all PE series packages.

| Model | Inlet | Outlets | Monitoring Level | Amps | |
|---------|-------------|-------------------------------------|------------------|----------|----------------------|
| | | | | Per Port | Total |
| PE6216A | IEC 320 C20 | 14 x NEMA 5-15R 2 x NEMA 5-20R | PDU | 12A/16A | 16A (UL), 20A (Max.) |
| PE6216B | IEC 320 C20 | 14 x IEC 320 C13 2 x IEC 320 C19 | PDU | 12A/16A | 16A (UL), 20A (Max.) |
| PE6216G | IEC 320 C20 | 14 x IEC 320 C13 2 x IEC 320 C19 | PDU | 10A/15A | I: 16A O: 15A |

Specifications

| 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 + 2 x NEMA 5-20R Bank1-1: Outlet 1 – 8; 7 x NEMA 5-15R + 1 x NEMA 5-20R Bank1-2: Outlet 9 – 16; 7 x NEMA 5-15R + 1 x NEMA 5-20R | Total: 14 x IEC320 C13 + 2 x IEC320 C19 Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19 Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19 | Total: 14 x IEC320 C13 + 2 x IEC320 C19 Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19 Bank1-2: Outlet 9 – 16; 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) NEMA 5-20R: 20A(Max) | C13: 15A(Max) C19: 20A(Max) | C13: 10A(Max) 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 |
| Metering Accuracy | Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/- 1% | Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/- 1% | Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/- 1% |
| Physical Properties | | | |
| Dimensions (L x W x H) | 132.48 x 6.60 x 4.40 cm (52.16 x 2.6 x 1.73 in.) | 132.48 x 6.60 x 4.40 cm (52.16 x 2.6 x 1.73 in.) | 132.48 x 6.60 x 4.40 cm (52.16 x 2.6 x 1.73 in.) |
| Weight | 3.73 kg (8.22 lb) | 3.73 kg (8.22 lb) | 3.73 kg (8.22 lb) |
| 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, 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 |
| Note | For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format. | | |

Diagram



ATEN International Co., Ltd.

3F, No. 125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan
Phone: 886-2-8692-6789 Fax: 886-2-8692-6767
www.aten.com E-mail: marketing@aten.com



© Copyright 2015 ATEN® International Co., Ltd.
ATEN and the ATEN logo are trademarks of ATEN International Co., Ltd.
All rights reserved. All other trademarks are the property of their respective owners.