

PE6216

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

PE6216A



ATEN has developed a new generation of green energy power distribution units ([PDUs](#)) to effectively increase the efficiency of [data center](#) power usage. The PE6216 eco [PDU](#)s are intelligent [PDUs](#) 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

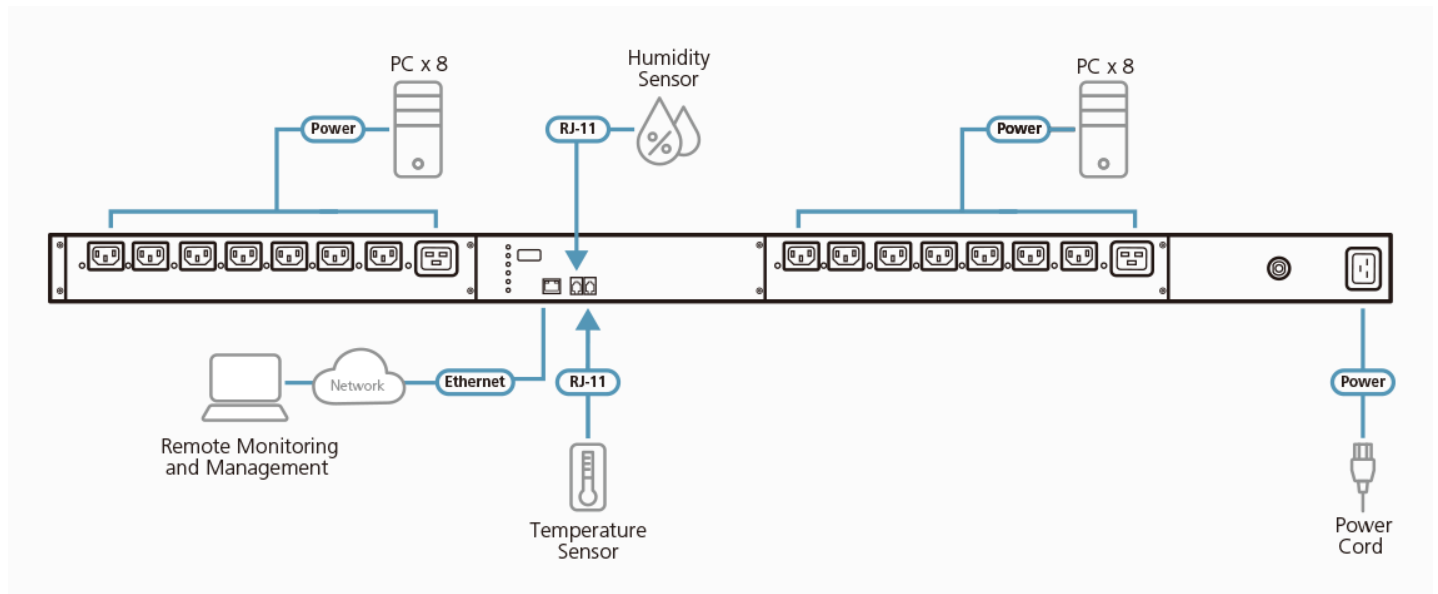
*[eco DC](#) is designed to work with [eco PDUs](#), and is bundled with all PE series packages.

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



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