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 PDUs 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 PDUs, 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 PDUs 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*

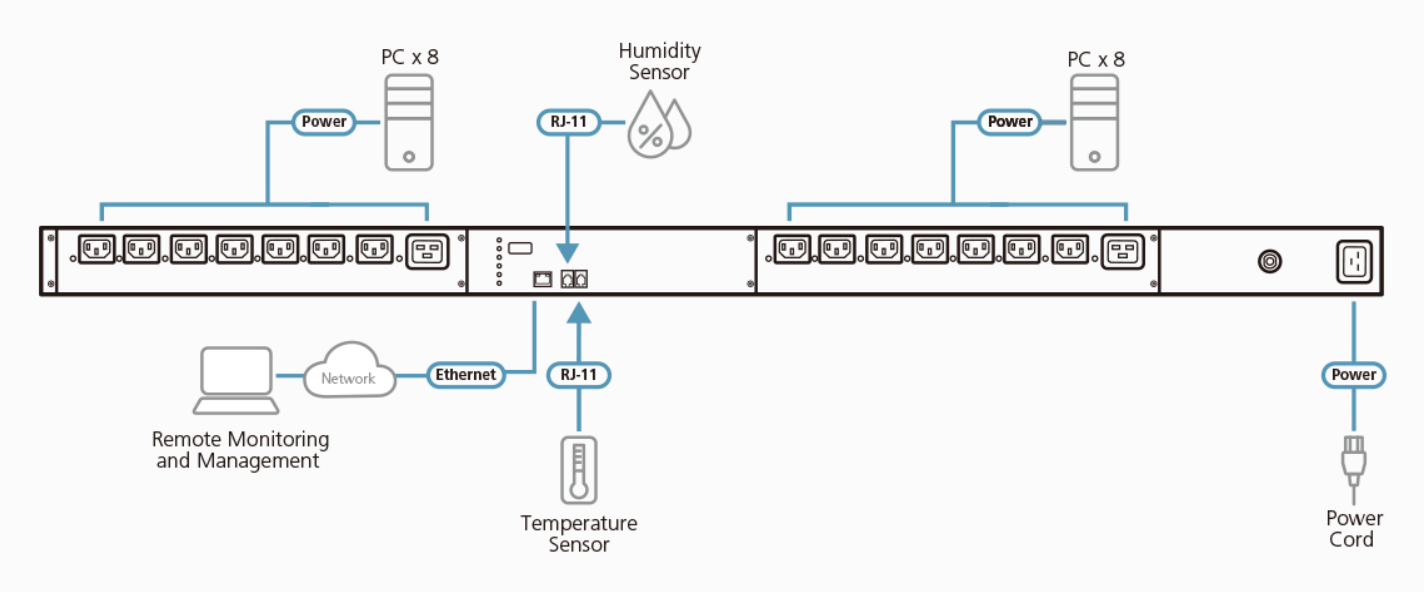
- Automatic discovery of all PE devices within the same intranet
- Remote real-time power measurement and monitoring
- Remote real-time environment sensor monitoring
- Plotting/Monitoring of all PE devices
- Exceed threshold alert through SMTP and System log
- Power Analysis Report

*eco DC is designed to work with eco PDUs, and is bundled with all PE series packages.

Specification

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


PC x 8
Humidity Sensor
PC x 8
Power
RJ-11
Power
Network
Ethernet
RJ-11
Power
Remote Monitoring and Management
Temperature Sensor
Power Cord