PE5208

20A/16A 8-Outlet 1U Metered eco PDU

PE5208A

• 1U 8-Outlet eco PDU
• Bank level metering

ATEN has developed a new generation of green energy power distribution units (PDUs) to effectively increase the efficiency of data center power usage. The PE5208 eco PDUs are intelligent PDUs that contain 8 AC outlets and are available in various IEC or NEMA socket configurations. They provide secure, centralized, intelligent, power management 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*.

eco PDUs offer real-time power measurement - allowing you to monitor the power status of devices attached to the PDUs, from practically any location via a TCP/IP connection.

eco PDU supports any 3rd party v3 SNMP Manager Software and eco DC (Energy Management Web GUI). eco DC provides you with an easy method for managing multiple devices, offering an intuitive and user friendly Graphical User Interface that allows you to configure a PDU device and monitor power status of the equipment connected to it. With eco DC, the Sensor-enabled eco PDU also offers comprehensive power analysis reports which can separate by departments and locations, providing precise measurements of current, voltage, power and watt-hour in a real-time display.

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.

Note: Sensors are optional accessories. A sensor-enabled installation is required to generate a more complete energy-efficient data and chart. Higher sensor installation density is helpful to generate more accurate data.
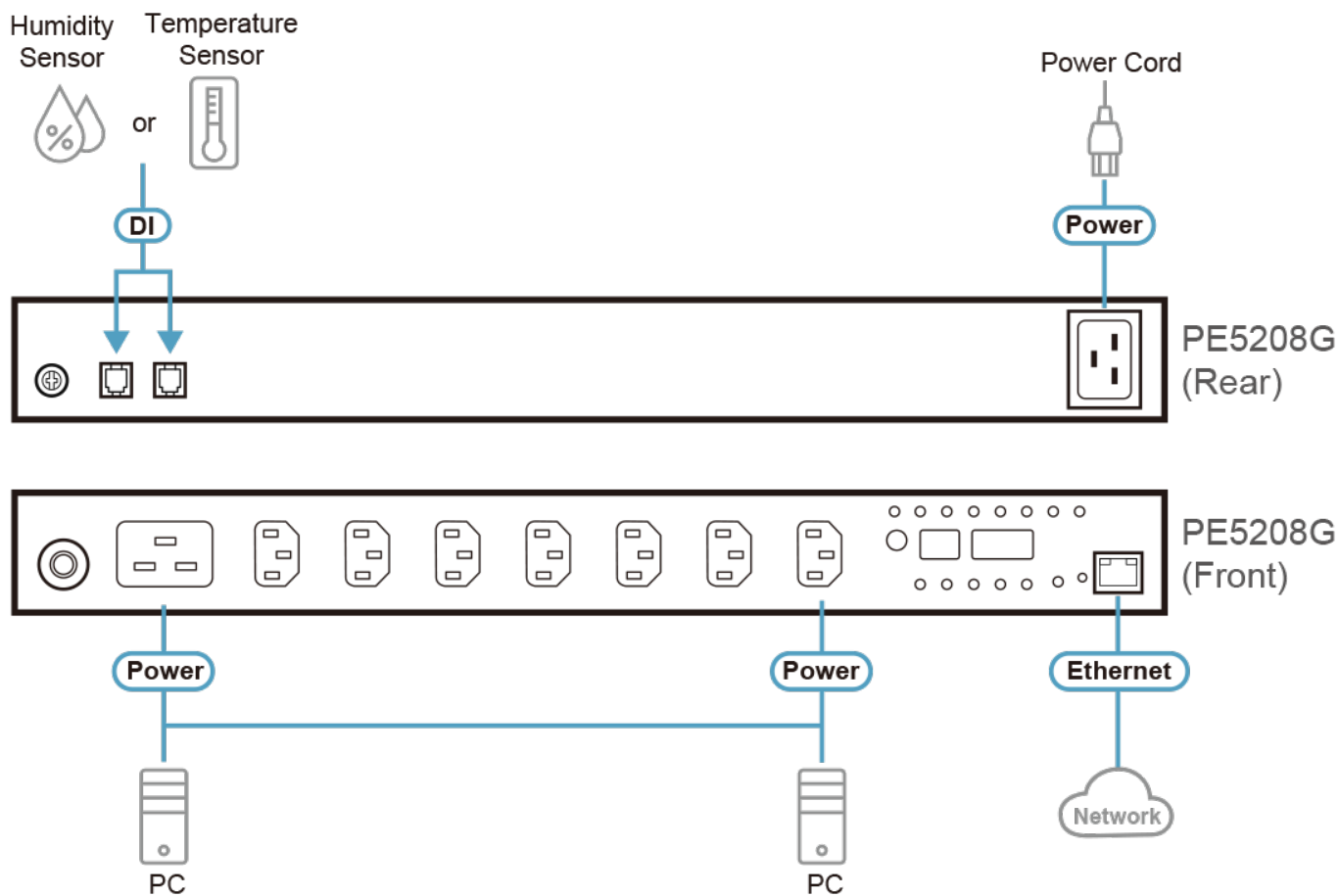
Features

- ### Connections
  - Support 10/100Mbit Ethernet Interface
  - Support TCP/IP, UDP, HTTP, HTTPS, SSL, DHCP, SMTP, NTP, DNS, Auto Sense, Ping, Telnet, and SNMP V1,V2&V3
  - Support 2-level account/password security, IP/MAC filter, 128 bit SSL, RADIUS
  - Support : eco DC, Browser (IE, Firefox, Chrome, Safari)

- ### Metering
  - Bank level power metering and monitoring
  - Environment Monitoring : support external temperature/temperature & humidity sensors for rack temperature and humidity monitoring
  - Current, voltage, power, power dissipation, temperature, and humidity metering and threshold level setting

- ### Outlet Switch Control
  - Always On

- ### Features available only on firmware-upgraded models with -ATB part number
  - Supports SMPTS, IPv6, Modbus (Over TCP/IP), Auto Ping, TLS1.2, SSH
  - Supports IEEE 802.1X
  - Authentication: LDAP, TACACS+
  - UI – heartbeat,schedule control, mail control, and setting rule

Specification

Function	PE5208A	PE5208B	PE5208G
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	20A Max; 16A(UL de-rated)	20A Max; 16A(UL de-rated)	16A Max
Input Frequency	50-60 Hz	50-60 Hz	50-60 Hz
Input Connection	NEMA L5-20P	PE5208B-ATA-J: NEMA L6-20P PE5208B-ATA-G: IEC 60320 C20	IEC 60320 C20
Input Power	2400 VA(Max); 1920 VA(UL de-rated)	4160 VA(Max); 3328 VA(UL de-rated)	3680 VA(Max)
Outlet Type	Total : 8 x NEMA 5-20R	Total : 7 x IEC320 C13 + 1 x IEC320 C19	Total : 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); 16A(UL de-rated)	C13: 15A(Max); 12A(UL de-rated) C19: 20A(Max); 16A(UL de-rated)	C13: 10A(Max) C19: 16A(Max)
Maximum Output Current (Bank)	20A(Max); 16A(UL de-rated)	20A(Max); 16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	20A(Max); 16A(UL de-rated)	20A(Max); 16A(UL de-rated)	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
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)	43.24 x 22.04 x 4.40 cm (17.02 x 8.68 x 1.73 in.)	43.24 x 22.04 x 4.40 cm (17.02 x 8.68 x 1.73 in.)	43.24 x 22.04 x 4.40 cm (17.02 x 8.68 x 1.73 in.)
Weight	2.71 kg (5.97 lb)	2.71 kg (5.97 lb)	2.71 kg (5.97 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 – 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	UL, Others by Request	UL, Others by Request	CE-LVD, 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

Humidity Sensor

Temperature Sensor

or

Power Cord

DI

Power

PE5208G (Rear)

Power

Power

Ethernet

PE5208G (Front)

PC

PC

Network