ECO PDU Power Distribution Unit

PE5108 / PE5208

ATEN PE5108 / PE5208 eco PDUs are intelligent power distribution units equipped with 8 AC outlets and available in various IEC and NEMA socket configurations. Designed for enterprise-level data centers, they offer secure, centralized, and intelligent power management — including power on, off, and reboot capabilities — for IT equipment such as servers, storage systems, KVM switches, network devices, and serial-based hardware.

With the integration of optional environmental sensors*, they provide real-time monitoring of the data center's ambient conditions, enabling improved energy efficiency and proactive infrastructure management.

Eco PDUs provide remote power control and real-time power monitoring, enabling users to manage and track power status from virtually anywhere via a TCP/IP connection.

The eco PDU supports third-party SNMP v3 management software as well as ATEN's eco DC Energy Management Software. eco DC offers a user-friendly graphical interface for centralized management of multiple devices, allowing for easy configuration and real-time monitoring of connected equipment. When paired with sensor-enabled eco PDUs, eco DC also delivers detailed power analytics and reporting — organized by department or location — with accurate, real-time measurements of current, voltage, power, and energy consumption (watt-hour).

With advanced security features and user-friendly operation, the eco PDU offers the most convenient, reliable, and cost-effective solution for remotely managing power access across multiple computer installations, ensuring optimal allocation of power resources.

Note: Sensors are optional accessories. A sensor-enabled installation is required to generate comprehensive energy efficiency data and charts. A higher density of sensors will enhance the accuracy of the data.

PE5108A Front View

PE5208A Front View

PE5108B Front View

PE5208B Front View

PE5108G Front View

PE5208G Front View

PE5108 Rear View

PE5208 Rear View

1U series PDU installed in a rack, with the PE5208G model as an example here

Features

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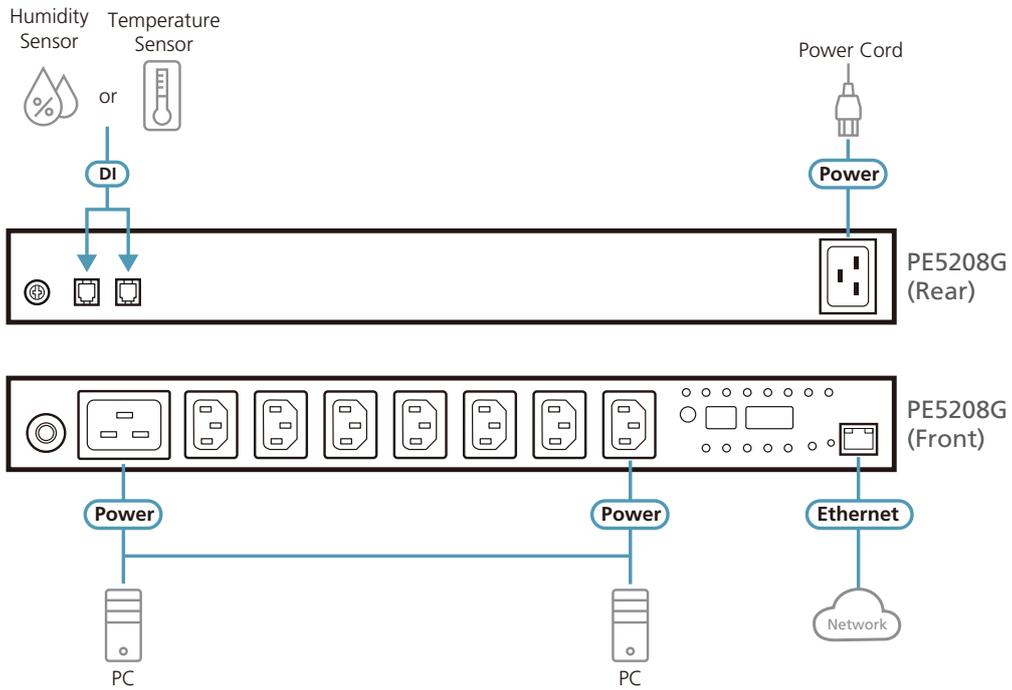- Supports eco DC, Browser (IE, Firefox, Chrome, Safari)

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 SMTPS, 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

Humidity Sensor · or · Temperature Sensor

DI

Power Cord

Power

PE5208G (Rear)

PE5208G (Front)

Power · Power · Ethernet

PC · PC · Network

Optional Accessories

Environment Sensors

Part No.	Sensor
EA1140	Temperature
EA1240	Temperature / Humidity
EA1340	Differential Pressure / Temperature

Cable Holders

Part No.	Description
2X-EA07	Lok-U-Plug Cable Holder (10 pcs per pack)
2X-EA08	Lok-U-Plug Installation Tool (4 pcs per pack)

Lok-U-Plug Installation

Specifications

	PE5108A	PE5108B	PE5108G
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	15A (Max); 12A (UL de-rated)	15A (Max); 12A (UL de-rated)	10A (Max)
Input Frequency	50-60 Hz		
Input Connection	NEMA 5-15P	NEMA 6-15P	IEC 60320 C14
Input Power	1800 VA (Max); 1440 VA (UL de-rated)	3120 VA(Max); 2496 VA(UL de-rated)	2300 VA(Max)
Outlet Type	Total: 8 x NEMA 5-15R	Total: 8 x IEC60320 C13	Total: 8 x IEC60320 C13
Nominal Output Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Output Current (Outlet)	NEMA 5-15R: 15A (Max); 12A (UL de-rated)	C13 : 15A (Max); 12A (UL de-rated)	C13 : 10A (Max)
Maximum Output Current (Bank)	15A (Max); 12A (UL de-rated)	15A (Max); 12A (UL de-rated)	10A (Max)
Maximum Output Current (Total)	15A (Max); 12A (UL de-rated)	15A (Max); 12A (UL de-rated)	10A (Max)
Breakers	1 x 16A Non-Fuse Breaker	1 x 16A Non-Fuse Breaker	1 x 10A Non-Fuse Breaker
Metering	Bank level Current, Voltage, VA , PF and KWh Monitoring		
Outlet Switching	None		
Environment Sensor Ports	2		
Metering Accuracy	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 4.40 x 21.93 cm		
Weight	2.77 kg	2.82 kg	2.82 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, 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

Specifications

	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		
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 IEC60320 C13 + 1 x IEC60320 C19	Total : 7 x IEC60320 C13 + 1 x IEC60320 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		
Outlet Switching	None		
Environment Sensor Ports	2		
Metering Accuracy	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		
Weight	2.71 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, 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

Product information is subject to change without prior notice.