ECO PDU

PE7108/PE7208

ATEN has developed a new generation of green energy power distribution units (PDUs) to effectively increase the efficiency of data center power usage. The PE7108 / PE7208 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 (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*.

eco PDUs offer remote power control combined with real-time power measurement - allowing you to control and monitor the power status of devices attached to the PDUs at the PDU device or outlet level from practically any location via a TCP/IP connection.

eco PDU supports any 3rd party v3 SNMP Manager Software and eco Sensors (Energy Management Software). eco Sensors 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 Sensors, 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.

* 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.

Model	Input Power Plug	Outlet Type	Input Voltage
PE7108A	NEMA 5-15P	(8) NEMA 5-15R	100-120V
PE7108B	NEMA 6-15P	(8) IEC 320 C13	100-240V
PE7108G	IEC 60320 C14	(8) IEC 320 C13	100-240V

Model	Input Power Plug	Outlet Type	Input Voltage
PE7208A	NEMA 5-20P	(8) NEMA 5-20R	100-120V
PE7208B	NEMA 6-20P	(7) IEC 320 C13 (1) IEC 320 C19	100-240V
PE7208G	IEC 60320 C20	(7) IEC 320 C13 (1) IEC 320 C19	100-240V

ECO PDU

PE7108A

Description:	100-120V 15A 1U 8-Outlet PDU
Function:	8-Outlet Metering, 0-Outlet Switching Control & 1-Bank Metering
Input Power Plug:	NEMA 5-15P
Power Capacity:	1.8 kW
Socket Configuration:	NEMA 5-15R (8)

PE7108A Front View

PE7108A Rear View

Features

Connections

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

Metering

- Outlet 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

Specifications

Model	PE7108A
Electrical	
Nominal Input Voltage	100 – 120 VAC
Maximum Input Current	15A Max ; 12A(UL de-rated)
Input Frequency	50-60 Hz
Input Connection	1 x NEMA 5-15P
Input Power	1800 VA(Max) ; 1440 VA(UL de-rated)
Outlet Type	Total : 8 x NEMA 5-15R
Nominal Output Voltage	100 – 120 VAC
Maximum Output Current (Outlet)	NEMA 5-15R : 15A(Max) ; 12A(UL de-rated)
Maximum Output Current (Bank)	15A(Max) ; 12A(UL de-rated)
Maximum Output Current (Total)	15A(Max) ; 12A(UL de-rated)
Breakers	1 x 15A Non-Fuse Breaker
Metering	Per Outlet level Current, Voltage, VA , PF and KWh Monitoring
Outlet Switching	None
Environment Sensor Port	2
Metering Accuracy	Voltage range: 100VAC ~ 250VAC +/-1% Power range: 100W ~ 5000W +/- 2% Current range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Mechanical	
Dimension (H x W x D)	43.24 x 4.40 x 21.93 cm
Shipping Dimensions (H x W x D)	53 x 14 x 31 cm
Weight/Shipping Weight	2.8 / 5.1 kg
Power Cord Length	3 m
Environmental	
Temperature (Operating / Storage)	0 to 50℃ / -20 to 60℃
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	FCC, Others by Request
Safety Verification	TUV-CB, cTUVus, Others by Request

Package Contents

1. PE7108A eco PDU
2. Mounting Kit
3. User Instructions
4. CD-ROM (Manual, eco Sensors software)
5. Power Cord

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

ECO PDU

PE7108B

Description:	100-240V 15A 1U 8-Outlet PDU
Function:	8-Outlet Metering, 0-Outlet Switching Control & 1-Bank Metering
Input Power Plug:	NEMA 6-15P
Power Capacity:	3.1 kW
Socket Configuration:	IEC 320 C13 (8)

PE7108B Front View

PE7108B Rear View

Features

Connections

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

Metering

- Outlet 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

Specifications

Model	PE7108B
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	15A Max ; 12A(UL de-rated)
Input Frequency	50-60 Hz
Input Connection	1 x NEMA 6-15P
Input Power	3120 VA(Max) ; 2496 VA(UL de-rated)
Outlet Type	Total : 8 x IEC320 C13
Nominal Output Voltage	100 – 240 VAC
Maximum Output Current (Outlet)	C13 : 15A(Max) ; 12A(UL de-rated)
Maximum Output Current (Bank)	15A(Max) ; 12A(UL de-rated)
Maximum Output Current (Total)	15A(Max) ; 12A(UL de-rated)
Breakers	1 x 15A Non-Fuse Breaker
Metering	Per Outlet level Current, Voltage, VA , PF and KWh Monitoring
Outlet Switching	None
Environment Sensor Port	2
Metering Accuracy	Voltage range: 100VAC ~ 250VAC +/-1% Power range: 100W ~ 5000W +/- 2% Current range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Mechanical	
Dimension (H x W x D)	43.24 x 4.40 x 21.93 cm
Shipping Dimensions (H x W x D)	53 x 14 x 31 cm
Weight/Shipping Weight	2.87 / 5.7 kg
Power Cord Length	3 m
Environmental	
Temperature (Operating / Storage)	0 to 50˚C / -20 to 60˚C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	FCC, Others by Request
Safety Verification	TUV-CB, cTUVus, Others by Request

Package Contents

1. PE7108B eco PDU
2. Mounting Kit
3. User Instructions
4. CD-ROM (Manual, eco Sensors software)
5. Power Cord

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

ECO PDU

PE7108G

Description:	100-240V 10A 1U 8-Outlet PDU
Function:	8-Outlet Metering, 0-Outlet Switching Control & 1-Bank Metering
Input Power Plug:	IEC 60320 C14
Power Capacity:	2.3 kW
Socket Configuration:	IEC 320 C13 (8)

PE7108G Front View

PE7108G Rear View

Features

Connections

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

Metering

- Outlet 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

Specifications

Model	PE7108G
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	10A Max
Input Frequency	50-60 Hz
Input Connection	1 x IEC C14
Input Power	2300 VA(Max)
Outlet Type	Total : 8 x IEC320 C13
Nominal Output Voltage	100 – 240 VAC
Maximum Output Current (Outlet)	C13 : 10A(Max)
Maximum Output Current (Bank)	10A(Max)
Maximum Output Current (Total)	10A(Max)
Breakers	1 x 15A Non-Fuse Breaker
Metering	Per Outlet level Current, Voltage, VA , PF and KWh Monitoring
Outlet Switching	None
Environment Sensor Port	2
Metering Accuracy	Voltage range: 100VAC ~ 250VAC +/-1% Power range: 100W ~ 5000W +/- 2% Current range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Mechanical	
Dimension (H x W x D)	43.24 x 4.40 x 21.93 cm
Shipping Dimensions (H x W x D)	53 x 14 x 31 cm
Weight/Shipping Weight	2.87 / 5.8 kg
Power Cord Length	3 m
Environmental	
Temperature (Operating / Storage)	0 to 50˚C / -20 to 60˚C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	CE, Others by Request
Safety Verification	TUV-CB, CE-LVD, Others by Request

Package Contents

1. PE7108G eco PDU
2. Mounting Kit
3. User Instructions
4. CD-ROM (Manual, eco Sensors software)
5. Power Cord

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

ECO PDU

PE7208A

Description:	100-120V 20A 1U 8-Outlet PDU
Function:	8-Outlet Metering, 0-Outlet Switching Control & 1-Bank Metering
Input Power Plug:	NEMA 5-20P
Power Capacity:	2.4 kW
Socket Configuration:	NEMA 5-20R (8)

PE7208A Front View

PE7208A Rear View

Features

Connections

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

Metering

- Outlet 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

Specifications

Model	PE7208A
Electrical	
Nominal Input Voltage	100 – 120 VAC
Maximum Input Current	20A Max ; 16A(UL de-rated)
Input Frequency	50-60 Hz
Input Connection	1 x NEMA 5-20P
Input Power	2400 VA(Max) ; 1920 VA(UL de-rated)
Outlet Type	Total : 8 x NEMA 5-20R
Nominal Output Voltage	100 – 120 VAC
Maximum Output Current (Outlet)	NEMA 5-20R : 20A(Max) ; 16A(UL de-rated)
Maximum Output Current (Bank)	20A(Max) ; 16A(UL de-rated)
Maximum Output Current (Total)	20A(Max) ; 16A(UL de-rated)
Breakers	1 x 20A Non-Fuse Breaker
Metering	Per Outlet level Current, Voltage, VA , PF and KWh Monitoring
Outlet Switching	None
Environment Sensor Port	2
Metering Accuracy	Voltage range: 100VAC ~ 250VAC +/-1% Power range: 100W ~ 5000W +/- 2% Current range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Mechanical	
Dimension (H x W x D)	43.24 x 4.40 x 21.93 cm
Shipping Dimensions (H x W x D)	53 x 14 x 31 cm
Weight/Shipping Weight	2.82 / 5.6 kg
Power Cord Length	3 m
Environmental	
Temperature (Operating / Storage)	0 to 50℃ / -20 to 60℃
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	FCC, Others by Request
Safety Verification	TUV-CB, cTUVus, Others by Request

Package Contents

1. PE7208A eco PDU
2. Mounting Kit
3. User Instructions
4. CD-ROM (Manual, eco Sensors software)
5. Power Cord

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

ECO PDU

PE7208B

Description:	100-240V 20A 1U 8-Outlet PDU
Function:	8-Outlet Metering, 0-Outlet Switching Control & 1-Bank Metering
Input Power Plug:	NEMA 6-20P
Power Capacity:	4.2 kW
Socket Configuration:	IEC 320 C13 (7) IEC 320 C19 (1)

PE7208B Front View

PE7208B Rear View

Features

Connections

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

Metering

- Outlet 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

Specifications

Model	PE7208B
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	20A Max ; 16A(UL de-rated)
Input Frequency	50-60 Hz
Input Connection	1 x NEMA 6-20P
Input Power	4160 VA(Max) ; 3328 VA(UL de-rated)
Outlet Type	Total : 7 x C13 + 1 x C19
Nominal Output Voltage	100 – 240 VAC
Maximum Output Current (Outlet)	C13 : 15A (Max) ; 12A(UL de-rated) C19 : 20A (Max) ; 16A(UL de-rated)
Maximum Output Current (Bank)	20A(Max) ; 16A(UL de-rated)
Maximum Output Current (Total)	20A(Max) ; 16A(UL de-rated)
Breakers	1 x 20A Non-Fuse Breaker
Metering	Per Outlet level Current, Voltage, VA , PF and KWh Monitoring
Outlet Switching	None
Environment Sensor Port	2
Metering Accuracy	Voltage range: 100VAC ~ 250VAC +/-1% Power range: 100W ~ 5000W +/- 2% Current range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Mechanical	
Dimension (H x W x D)	43.24 x 4.40 x 21.93 cm
Shipping Dimensions (H x W x D)	53 x 14 x 31 cm
Weight/Shipping Weight	2.87 / 5.8 kg
Power Cord Length	3 m
Environmental	
Temperature (Operating / Storage)	0 to 50℃ / -20 to 60℃
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	FCC, Others by Request
Safety Verification	TUV-CB, cTUVus, Others by Request

Package Contents

1. PE7208B eco PDU
2. Mounting Kit
3. User Instructions
4. CD-ROM (Manual, eco Sensors software)
5. Power Cord

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

ECO PDU

PE7108G

Description:	100-240V 16A 1U 8-Outlet PDU
Function:	8-Outlet Metering, 0-Outlet Switching Control & 1-Bank Metering
Input Power Plug:	IEC 60320 C20
Power Capacity:	3.7 kW
Socket Configuration:	IEC 320 C13 (7) IEC 320 C19 (1)

PE7208G Front View

PE7208G Rear View

Features

Connections

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

Metering

- Outlet 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

Specifications

Model	PE7208G
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	16A Max
Input Frequency	50-60 Hz
Input Connection	1 x IEC C20
Input Power	3680 VA(Max)
Outlet Type	Total : 7 x C13 + 1 x C19
Nominal Output Voltage	100 – 240 VAC
Maximum Output Current (Outlet)	C13 : 10A(Max) C19 : 16A(Max)
Maximum Output Current (Bank)	16A(Max)
Maximum Output Current (Total)	16A(Max)
Breakers	1 x 16A Non-Fuse Breaker
Metering	Per Outlet level Current, Voltage, VA , PF and KWh Monitoring
Outlet Switching	None
Environment Sensor Port	2
Metering Accuracy	Voltage range: 100VAC ~ 250VAC +/-1% Power range: 100W ~ 5000W +/- 2% Current range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Mechanical	
Dimension (H x W x D)	43.24 x 4.40 x 21.93 cm
Shipping Dimensions (H x W x D)	53 x 14 x 31 cm
Weight/Shipping Weight	2.87 / 5.8 kg
Power Cord Length	3 m
Environmental	
Temperature (Operating / Storage)	0 to 50℃ / -20 to 60℃
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	CE, Others by Request
Safety Verification	TUV-CB, CE-LVD, Others by Request

Package Contents

1. PE7208G eco PDU
2. Mounting Kit
3. User Instructions
4. CD-ROM (Manual, eco Sensors software)
5. Power Cord

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

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