

PE8324

30A/32A 24-Outlet Outlet-Metered & Switched eco PDU

PE8324A



The PE8324 eco [PDUs](#) are intelligent [PDUs](#) that contain 24 AC outlets and are available in various IEC / NEMA socket configurations. These models feature proactive overload protection to automatically power off the last outlet that causes the current overload while allowing users to set shutdown priority.

The eco [PDUs](#) provide secure, centralized and intelligent power management (power on, off, and cycle) of [data center](#) IT equipment (servers, storage systems, KVM switches, network devices, serial data devices, and more), as well as the ability to monitor the center's health environment via sensors.* These [PDUs](#) offer remote power control combined with real-time power measurement, allowing users to control and monitor the power status of devices attached to the [PDUs](#), either at the [PDU](#) device, bank, or outlet level, depending on the model, 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 which can separate departments and locations, providing precise measurements of current, voltage, power and watt-hour in a real-time display. Installation and operation are made fast and easy by simply plugging cables into their appropriate ports, and users get to enjoy the intuitive browser-based configuration and management. The eco [PDU](#) firmware is upgradeable over the Net, meaning users can download updates from ATEN's website to ensure that their eco [PDU](#) is equipped with the latest functionalities and improvements.

The series also supports the 3rd party V3 SNMP manager software and NRGence [eco DC](#) (Energy & DCIM Management Web GUI). The [eco DC](#) makes it easy when it comes to the management for multiple devices by allowing users to configure eco [PDU](#) setting and monitor the power status of the equipment connected to the [PDU](#) through a user friendly interface. Along with its set of features, the PE8324 series has become a convenient, reliable and cost-effective solution to help remotely manage power access for multiple computer installations and allocate power resources with efficiency.

* Note:

1. Sensors are optional accessories. A sensor-enabled installation is required to generate more complete energy-efficient data and charts. The higher the sensor installation density is, the more accurate the data generated will be.
2. eco [PDUs](#) are primarily designed for access via Intranet; extra network security protection is suggested for Internet access usage.
3. Designed for use with IT equipment in [data center](#) or controlled IT environments.
4. Not recommended for use with inductive loads or motor-driven equipment.

Features

• Connections

- Supports 10 / 100M bit Ethernet interface
- Supports TCP / IP, UDP, HTTP, HTTPS, SSL,SMTP, DHCP, ARP, NTP, DNS, Telnet, Auto Sense, Ping, SNMP V1,V2 and V3
- Supports three-level account / password security, IP / MAC filter, 128 bit SSL, and RADIUS
- Supports [CC2000](#), [eco DC](#), multiple browsers (IE, Firefox, Chrome, and Safari)

• Metering

- PDU and outlet level power metering and monitoring
- Environment monitoring – supports external temperature / temperature and humidity sensors for rack temperature and humidity monitoring
- Current, voltage, power, power dissipation, temperature, and humidity metering and threshold level setting
- Supports door sensor

• Outlet Switch Control

- Remote power outlet control (On/Off, Power Cycle) by individual outlets and outlet groups
- Outlet group support at the [PDU](#) level
- On / Off scheduling for individual outlet and outlet groups. Power management tasks can be scheduled on a daily, weekly, or user-specified time basis
- 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 outlet to allow equipment to be powered on in the correct order
- Proactive overload protection (POP) – automatically powers off the last outlet that causes the current overload while allowing users to set shutdown priority

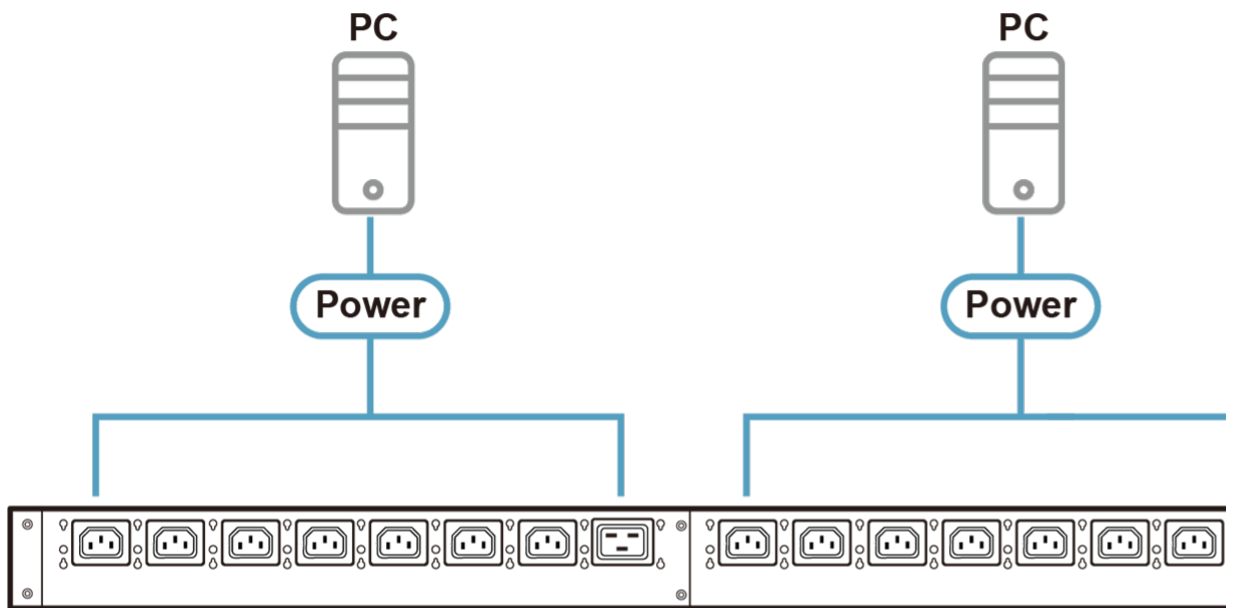
• Features available only on firmware-upgraded models with -AT part number

- 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

Specifications

| Function | PE8324A | PE8324B | PE8324G | PE8324G2 | PE8324G3 |
|-----------------------------------|--|--|--|--|--|
| Electrical | | | | | |
| Nominal Input Voltage | 100 – 120 VAC | 100 – 240 VAC | 100 – 240 VAC | 100 – 240 VAC | 100 – 240 VAC |
| Maximum Input Current | 30A(Max); 24A(UL de-rated) | 30A Max; 24A (UL de-rated) | 30A Max | 30A Max | 30A Max |
| Input Frequency | 50-60 Hz | 50-60 Hz | 50-60 Hz | 50-60 Hz | 50-60 Hz |
| Input Connection | NEMA L5-30P | NEMA L6-30P | IEC 60309 32A | IEC 60309 32A | IEC 60309 32A |
| Input Power | 3600 VA(Max); 2880 VA(UL de-rated) | 6240 VA(Max); 4992 VA(UL de-rated) | 7360 VA(Max) | 7360 VA(Max) | 7360 VA(Max) |
| Outlet Type | Total: 24 x NEMA 5-15R Bank1-1: Outlet 1 – 8; 8 x NEMA 5-15R Bank1-2: Outlet 9 – 16; 8 x NEMA 5-15R Bank2: Outlet 17 – 24; 8 x NEMA 5-15R | Total: 21 x IEC320 C13 + 3 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 Bank2: Outlet 17 – 24; 7 x C13 + 1 x C19 | Total: 21 x IEC320 C13 + 3 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 Bank2: Outlet 17 – 24; 7 x C13 + 1 x C19 | Total: 6 x IEC320 C13 + 18 x IEC320 C19 Bank1-1: Outlet 1 – 8; 2 x C13 + 6 x C19 Bank1-2: Outlet 9 – 16; 2 x C13 + 6 x C19 Bank2: Outlet 17 – 24; 2 x C13 + 6 x C19 | Total: 18 x IEC320 C13 + 6 x IEC320 C19 Bank1-1: Outlet 1 – 8; 6 x C13 + 2 x C19 Bank1-2: Outlet 9 – 16; 6 x C13 + 2 x C19 Bank2: Outlet 17 – 24; 6 x C13 + 2 x C19 |
| Nominal Output Voltage | 100 – 120 VAC | 100 – 240 VAC | 100 – 240 VAC | 100 – 240 VAC | 100 – 240 VAC |
| Maximum Output Current (Outlet) | 15A(Max); 12A(UL de-rated) | C13: 15A(Max); 12A(UL de-rated) C19: 20A(Max); 16A(UL de-rated) | C13: 10A(Max) C19: 16A(Max) | C13: 10A(Max) C19: 16A(Max) | C13: 10A(Max) C19: 16A(Max) |
| Maximum Output Current (Bank) | 20A(Max); 16A(UL de-rated) | 20A(Max); 16A(UL de-rated) | 16A(Max) | 16A(Max) | 16A(Max) |
| Maximum Output Current (Total) | 30A(Max); 24A(UL de-rated) | 30A(Max); 24A(UL de-rated) | 32A(Max) | 32A(Max) | 32A(Max) |
| Breakers | 2 x 16A UL489 Breaker | 2 x 16A UL489 Breaker | 2 x 16A UL489 Breaker | 2 x 16A UL489 Breaker | 2 x 16A UL489 Breaker |
| Metering | Outlet Level Current, Voltage, VA, PF, KWh Monitoring | Outlet Level Current, Voltage, VA, PF, KWh Monitoring | Outlet Level Current, Voltage, VA, PF, KWh Monitoring | Outlet Level Current, Voltage, VA, PF, KWh Monitoring | Outlet Level Current, Voltage, VA, PF, KWh Monitoring |
| Outlet Switching | Yes | Yes | Yes | Yes | Yes |
| Environment Sensor Ports | 4 | 4 | 4 | 4 | 4 |
| Physical Properties | | | | | |
| Dimensions (L x W x H) | 177.50 x 6.60 x 4.40 cm (69.88 x 2.6 x 1.73 in.) | 177.50 x 6.60 x 4.40 cm (69.88 x 2.6 x 1.73 in.) | 177.50 x 6.60 x 4.40 cm (69.88 x 2.6 x 1.73 in.) | 177.50 x 6.60 x 4.40 cm (69.88 x 2.6 x 1.73 in.) | 177.50 x 6.60 x 4.40 cm (69.88 x 2.6 x 1.73 in.) |
| Weight | 6.33 kg (13.94 lb) | 6.33 kg (13.94 lb) | 6.33 kg (13.94 lb) | 6.33 kg (13.94 lb) | 6.33 kg (13.94 lb) |
| Power Cord Length | 1.6 m | 1.6 m | 1.6 m | 1.6 m | 1.6 m |
| Environmental | | | | | |
| Temperature (Operating / Storage) | 0 – 40°C / -20 – 60°C | 0 – 40°C / -20 – 60°C | 0 – 40°C / -20 – 60°C | 0 – 40°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 | 0 – 80% RH, Non-Condensing | 0 – 80% RH, Non-Condensing |
| Compliance | | | | | |
| EMC Verification | FCC Part 15 Class A, Others by Request | FCC Part 15 Class A, Others by Request | CE, Others by Request | CE, Others by Request | CE, Others by Request |
| Safety Verification | By Request | By Request | CE-LVD, Others by Request | CE-LVD, 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



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Simply Better Connections

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