

PE8324

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



As part of its NRGence line, ATEN has developed a new generation of green energy power distribution units (eco [PDUs](#)) to effectively increase the efficiency of [data center](#) power usage. The NRGence PE8324 eco [PDUs](#) are intelligent [PDUs](#) that contain 24 AC outlets and are available in various IEC socket configurations. Models in the advanced PE8 ranges feature NRGence's proactive overload protection, which automatically powers off the last outlet that caused the current overload.

NRGence eco [PDUs](#) 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.

NRGence 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](#), 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 is fast and easy: plugging cables into their appropriate ports and user-friendly browser-based configuration and management is all that is entailed. Since the eco [PDU](#) firmware is upgradeable over the Net, you can stay current with the latest functionality improvements simply by downloading updates from our website as they become available.

NRGence eco [PDU](#) supports any 3rd party V3 SNMP Manager Software and NRGence [eco Sensors](#) (eco [PDU](#) Manager 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 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.



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 Sensors](#), Browser (IE, Firefox, Chrome, Safari)
- **Metering**
 - PDU and outlet level power metering and monitoring
 - Environment monitoring — supports external temperature/temperature & humidity sensors for rack temperature and humidity monitoring
 - Current, voltage, power, power dissipation, temperature, and humidity metering and threshold level setting
 - Support 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](#)
 - 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 caused the current overload

Specifications

eco PDU

Function	PE8324A	PE8324B	PE8324G
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	30A(Max); 24A(UL de-rated)	30A Max; 24A (UL de-rated)	32A Max
Input Frequency	50-60 Hz	50-60 Hz	50-60 Hz
Input Connection	NEMA L5-30P	NEMA L6-30P	IEC 60309 32A
Input Power	6240 VA(Max); 4992 VA(UL de-rated)	6240 VA(Max); 4992 VA(UL de-rated)	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
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) C19: 15A(Max); 12A(UL de-rated)	C13: 10A(Max) C19: 16A(Max); TUV De-rated 15A(Max)
Maximum Output Current (Bank)	15A(Max); 12A(UL de-rated)	15A(Max); 12A(UL de-rated)	16A(Max); TUV De-rated 15A(Max)
Maximum Output Current (Total)	30A(Max); 24A(UL de-rated)	30A(Max); 24A(UL de-rated)	32A(Max); TUV De-rated 30A(Max)

Breakers	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 Switching	Yes	Yes	Yes
Environment Sensor Ports	4	4	4
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)	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)
Power Cord Length	1.6 m	1.6 m	1.6 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 Part 15 Class A, Others by Request	FCC Part 15 Class A, Others by Request	CE, Others by Request
Safety Verification	By Request	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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