



Powerware

Powerware® Rackmount Power Distribution Unit (PDU)

Product Focus



Features

- Effectively distributes power throughout a rack environment and effectively organizes power cords
- Reduces installation time with pre-installed mounting brackets and flexible installation mounting options, including 1U, 0U, wall and floor mounting
- Supports a wide range of applications with a variety of NEMA, IEC and hardwired inputs in combination with NEMA and IEC output receptacles
- Simplifies daily operations with visual indicators of available input power and tripped circuits
- Enhances peace of mind with a standard two-year warranty
- Provides overload protection with UL 489-listed circuit breakers

Superior power quality depends on efficient power distribution.

With data center devices smaller than ever—often served by dual or triple power supplies—a single rack of equipment might produce 40 or more power cords to manage. And although devices are shrinking, their power consumption is not. Yesterday's full rack of equipment averaged 5–8 kW of power. Today's blade servers may need three or four times that wattage per rack. Traditional power strips just don't deliver enough power or flexibility.

Eaton provides a complete suite of rackmount products to help IT managers meet these challenges. Rackmount uninterruptible power systems (UPSs) provide clean, reliable power. Rackmount Powerware PDUs distribute that power in data centers and com-

Product Snapshot

Technology:	Rackmount power distribution unit
Power Rating:	12A, 16A, 24A, and 32A models
Voltage:	100–120V, 100–240V, or 200–240V
Receptacles:	Up to 12 NEMA or IEC receptacles Varies by model
Overload Protection:	UL 489-listed circuit breakers
Dimensions:	1U strip, 4" deep (two can be mounted in 1U)

puter rooms (small, medium and large), networking equipment, servers, high-density rack environments, storage networks and wiring closets—working with UPSs from Powerware or other manufacturers.

Choose the optimal configuration from a wide range of models.

The Powerware PDU family includes a variety of power inputs and outputs to fit most power requirements. You can select from NEMA, IEC and hardwired inputs and NEMA- and IEC-type output receptacles (4 to 12 receptacles per PDU in various combinations).

Use rack space efficiently.

These PDUs can mount vertically in rack side pockets—or on a wall or floor, saving traditional 1U space for IT equipment. Since all input and output connections are on the same face, two PDUs can be mounted back to back in :

a single shelf—up to 24 output receptacles in 1U of rack space.

Count on rugged, reliable performance.

Powerware PDUs meet applicable industry standards for IT equipment safety; UL 60950: Safety of Information Technology Equipment including Electrical Business Equipment, 3rd Edition; CSA/cUL 60950; EN 60950. UL 489-listed circuit breakers provide branch circuit protection and on/off operation for groups of receptacles. An optional cable retention bracket prevents power cords from being accidentally disconnected. And with visual indication of available incoming power and tripped circuits, you never have to guess the unit's operational state.

Install your new PDU quickly and easily.

With pre-installed mounting brackets, the unit is immediately ready to install in the rack. There's no need to purchase

additional mounting hardware or accessories. Optional recessed mounting is available to accommodate large input connectors. With standard 12-foot line cords, you have better mounting locations than with the typical 8- or 10-foot cords.

A new level of confidence.

Eaton is a global leader in power quality and management solutions —named by Frost & Sullivan as “Power Quality Company of the Year” for the second year in a row (May 2005). Our rugged PDUs reflect more than 40 years of expertise in

industrial-strength power quality solutions. In fact, we’ve been manufacturing PDUs for several other major brands for years.

The Powerware PDU from Eaton delivers confidence—confidence that your rack environments are served by complete power

conditioning and distribution systems, and confidence that Eaton will be with you for the long term with premium warranty coverage and expert technical support.

For more information,
www.powerware.com
1-800-356-5794.

Technical Specifications

Model	Part Number	Number of Receptacles	Voltage Range ¹	Input Connection	Output Circuit Breaker	Max Input Current Per Phase	Max Output Current	Receptacles Load Segment #1	Receptacles Load Segment #2	Receptacles Load Segment #3	Safety Markings	Mechanical Weight	Mechanical Dimensions (WxDxH)
PDU1210N	103004538-6501	10	100–120V	5-15P	15A	12A	12A	(10) 5-15R	N/A	N/A	cULus	4.8 lb/2.2 kg	Note ²
PUD1212C	103004548-6501	12	100–240V	IEC 320-C14	15A	12A	12A	(12) IEC 320-C13	N/A	N/A	CE, cULus, UL/GS	5.3 lb/2.4 kg	Note ²
PDU1607N	103004549-6501	7	200–240V	L6-20P	20A	16A	16A	(3) L6-20R, (4) 6-20R	N/A	N/A	cULus	7.7 lb/3.5 kg	Note ²
PDU1610C	103004550-6501	10	100–240V	IEC 320-C20	20A	16A	16A	(2) IEC 320-C19, (8) IEC 320-C13	N/A	N/A	CE, cULus, UL/GS	5.8 lb/2.6 kg	Note ²
PDU1610N	103004545-6501	10	100–120V	L5-20P	20A	16A	16A	(10) 5-20R	N/A	N/A	cULus	5.4 lb/2.4 kg	Note ²
PDU1612C	103004547-6501	12	200–240V	L6-20P	20A	16A	16A	(12) IEC 320-C13	N/A	N/A	cULus	5.6 lb/2.5 kg	Note ²
PDU2404C	103004554-6501	4	200–240V	L6-30P	(2) 20A	24A	16A per segment; 24A total	(2) IEC 320-C19	(2) IEC 320-C19	N/A	cULus	7.0 lb/3.2 kg	Note ²
PDU2408C	103004540-6501	8	200–240V	L6-30P	(2) 20A	24A	16A per segment; 24A total	(1) IEC 320-C19, (3) IEC 320-C13	(1) IEC 320-C19, (3) IEC 320-C13	N/A	cULus	4.3 lb/2.0 kg	Note ²
PDU2408N	103004546-6501	8	100–120V	L5-30P	(2) 20A	24A	16A per segment; 24A total	(4) 5-20R	(4) 5-20R	N/A	cULus	6.8 lb/3.1 kg	Note ²
PDU2408N2	103004541-6501	8	200–240V	L6-30P	(2) 20A; 30A upstream breaker	24A	16A for Seg 1 & 2; 24A for Seg 3; 24A total	(1) L6-20R, (2) 6-20R	(1) L6-20R, (2) 6-20R	(2) L6-30R	(2) L6-30R	9.5 lb/4.3 kg	Note ²
PDU2408N3	103004551-6501	8	120–240V	L14-30P	(2) 20A; 30A upstream breaker	24A	16A for Seg 1 & 2; 24A for Seg 3; 24A total	(4) 5-20R	(2) L6-30R	(2) L6-30R	cULus	9.8 lb/4.4 kg	Note ²
PDU3208C	103004552-6501	8	120–240V	Hardwired	(2) 20A	32A	16A per segment; 24A total	(1) IEC 320-C19, (3) IEC 320-C13	(1) IEC 320-C19, (3) IEC 320-C13	N/A	CE, cULus, UL/GS	4.3 lb/2.0 kg	Note ²

1. Frequency-50/60 Hz
2. 44.5 x 4.5 x 10.0 cm/17.5" x 1.8" x 4.0"
3. 44.5 x 8.9 x 10.0 cm/17.5" x 3.5" x 4.0"

Environmental (All Models)

Operating Temperature	0° C to 45°C (32°F to 113°F)
Non-Operating Temperature	-25°C to 70°C (-13°F to 158°F)
Relative Humidity	5-95% noncondensing
Operating Altitude	Up to 3,000 meters above sea level
Non-Operating Altitude	Up to 5,000 meters above sea level

Options

Cord Retention Bracket	103004542-6501
Deep-Recess Mounting Bracket for use with PDU1607N, PDU2408N2 and PDU2408N3	103004679-6501
OU Universal Mounting Bracket	103004544-6501

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