Eaton Makes Enclosure Power Distribution Easy with the Powerware ePDU™

Powerware ePDU power levels

Standard power 0 to 4 kW
• Up to six 1U/2U servers or peripherals, such as network switch- es, environmental monitors, KVM devices and rack accessories

Mid-range power 4 to 10 kW
• Up to 16 1U/2U servers or two blade server chassis, offering both IEC-320 and NEMA receptacles

High power 10 to 15 kW
• High-density applications

• Up to 25 1U/2U servers or three blade server chassis, offering up to 45 receptacles in multiple form factors

Ultra high power 15 kW and up
• For racks with up to four blade server chassis and other power-hungry pieces of IT equipment

Servers vs. power

Spec	Watts	Servers	Blades	Power
15A/120V	1,500W	4		Basic
20A/120V	1,900W	6		Basic
30A/120V	2,900W	8		Basic
20A/208V	3,300W	10		Basic
30A/208V	5,000W	15		Mid-range
20A/3P	5,700W	17		Mid-range
40A/208V	6,600W	20		Mid-range
30A/3P	8,600W	25	1+	Mid-range
60A/208V	10,000W	29	2+	High
60A/3P	17,000W		2-3	Ultra high
80A/3P	23,000W		4	Ultra high

Powerware ePDU function levels

Powerware basic ePDU
• Reliable and economical power distribution

• Both vertical and horizontal mounting capabilities

• Ideal for applications where power telemetry is measured at the IT equipment

Powerware monitored ePDU
• Remotely view the amperage of each circuit

• Securely view over an encrypted connection

• Receive automated alerts of potential trouble

Powerware metered ePDU
• Monitor the amperage passing through each circuit of a ePDU

• Easy-Read LED displays power utilization for 12 feet away

• Ideal for smaller data centers with on the floor management

Powerware switched ePDU
• Receptacle level control

• IP based webserver interface

• User-defined sequencing of outlets

• Virtual grouping of outlets permits single-click reboot of multi-corded servers

• Electronically lock designated receptacles to prevent unauthorized use

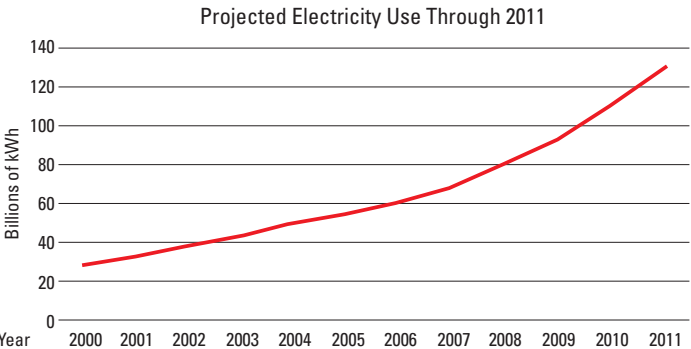• Aggregate up to 25 with strapping connections

Powerware managed ePDU
• Revelation technology

• Includes all functionality of switched and monitored plus

• Built in webserver

• Managing receptacles at a granular level

• Monitor output amps by receptacle

• Includes trending software for in-depth analysis

• Capable of IMPI and Smash communications

The three questions

1. How much power do you need?

IT equipment is consuming more power than ever before, EPA projects show consumption more than doubling in the next five years. Eaton knows how to size enclosure distribution systems that will be ready for future demands.

Projected Electricity Use Through 2011

2. What functionality do you need?

Balancing, communicating and maintaining enclosure power distribution has become increasingly complex in the world of service networks, N+x redundancies, and lights-out management. Eaton understands these complexities and can provide the products to meet customers needs and budget.

Metered

Switched

Monitored

3. What inputs and outputs do you need?

Eaton's Powerware ePDU products have a variety of input and output options to meet your current and future needs. Powerware ePDUs can support both single-phase and three-phase inputs and outputs as well as IEC and NEMA outlets. Outlet varieties and types can be mixed on a single Powerware ePDU. In fact, only Powerware ePDUs can support three different outlet types on a single power distribution device.

Matrix of power and functionality

	Basic	Metered	Monitored	Switched	Managed
Standard	•	•	•	•	•
Mid-range	•	•	•	•	•
High power	•	•	•		
Ultra high		•			

Eaton quality

Powerware ePDUs only use UL certified breakers and components. All products are rigorously tested and backed by Eaton's award winning service and support team.