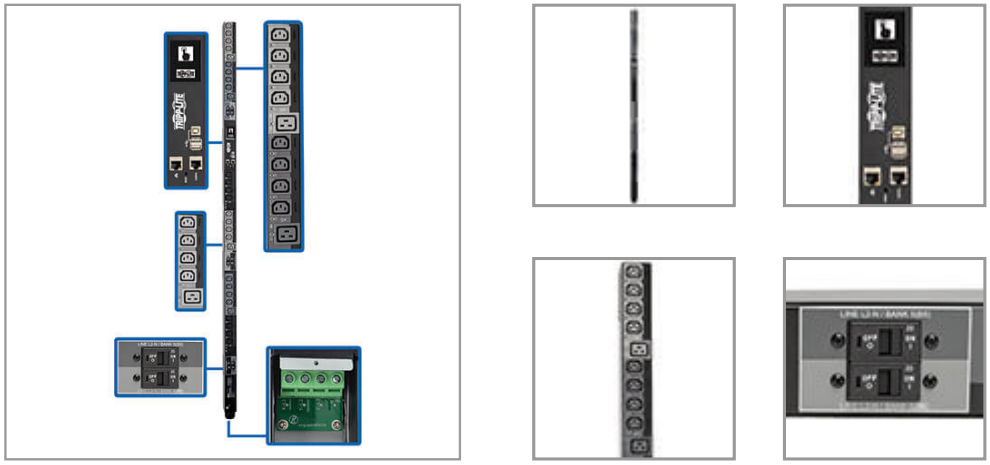
Important Note

Hardwire Input Models: #6AWG (13.3mm^2) copper wiring with ferrules is recommended for AC input terminal connections. Each input terminal connection should be torqued to 12.2 inch-pounds. CAUTION: Improperly sized wiring, inadequate torque, or use of non-copper wiring can result in overheating of input terminal connections.

28.8kW 220-240V 3PH Switched PDU - LX Interface, Gigabit, 30 Outlets, Hardwire 380-415V Input, LCD, 1.8 m Cord, 0U 1.8 m Height, TAA

MODEL NUMBER: **PDU3XEVSRHWB**



28.8kW 3-phase PDU with multi-function touchscreen LCD distributes, monitors and manages AC power. Built-in Java-free network interface helps you remotely monitor load levels to prevent overloads that cause downtime.

Description

The PDU3XEVSRHWB 28.8kW 3-Phase Switched Power Distribution Unit provides advanced network control and remote power monitoring with the ability to turn on, turn off, reboot or lock out power to each outlet. By reducing the frequency of on-site visits, these advanced remote capabilities can save you money and reduce downtime.

The 0U PDU features 30 switched 220-240V outlets (24 C13 and 6 C19) with included plug-lock insert sleeves to prevent cables from becoming accidentally disconnected. Hardwire 380-415V input connects the PDU to a compatible AC power source, generator or protected UPS.

The built-in Java-free HTML5-based LX Platform network interface enables full remote access for PDU status monitoring and email notifications via secure web browser, SNMP, telnet or SSH. It supports 10/100 Mbps auto-sensing for optimum communication with an Ethernet network. Optional EnviroSense2 modules (sold separately) provide a variety of environmental monitoring capabilities. Protocols supported include IPv4, IPv6, HTTP, HTTPS, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP and NTP.

A color touchscreen LCD lets you toggle between menus to monitor input current level per phase, output current per load bank and per outlet with ±1% billing-grade accuracy, environmental sensor data and network information. It also generates a unique QR code to allow access to the switchable PDU through a mobile device.

Features

Distributes, Monitors and Manages Network-Grade AC Power28.8kW 380-415V input / 220-240V output switched 3-phase rack PDU (rPDU)Recommended for network applications requiring individual outlet control, load shedding and remote monitoring of critical network componentsHardwire 380/400/415V input connects to compatible AC power sourceFirmware upgrades support future product enhancements

Highlights

- 28.8kW 220-240V 3-phase switched 1.8m 0U PDU
- 30 individually controllable outlets—24 C13, 6 C19
- Compatible with Eaton Tripp Lite power cords to simplify deployment and enhance reliability
- Pre-installed GbE-capable WEBCARDLX with latest version of PADM20 for IP-based Auto Probe feature
- Hardwire 380-415V input
- Touchscreen LCD with mobile access option via QR code

Applications

- Powering a large data center with server racks running mission-critical applications
- Monitoring power loads from various computers, switches, servers and other networking equipment in a retail or wholesale environment
- Maintaining a major network installation in a government, commercial or industrial facility

Package Includes

- PDU3XEVSRHWB 28.8kW 3-Phase Switched PDU
- Built-in LX Platform interface
- Configuration cable
- (30) Plug-lock insert sleeves
- Rack-mounting hardware
- PDUMVROTATEBRKT mounting bracket accessory
- Owner’s manual

30 Switched 220-240V Outlets Distribute AC Power24 C13 and 6 C19 outlets split into 6 separately breakered load banksIndividual outlets can be remotely controlled to power up, power down, reboot or lock out devicesPlug-lock insert sleeves prevent cables from becoming accidentally disconnected

Color Touchscreen LCD Reports network data, including IP address, input current level per phase, and output current per load bank and per outlet with ±1% billing-grade accuracyGenerates unique QR code for read-only access to PowerAlert® Device Manager via mobile deviceFull access available by logging into PowerAlert Device Manager via browser as user with read/write credentials

Built-In GbE-Capable LX Interface Pre-installed WEBCARDLX with the latest version of PowerAlert Device Manager firmware (PADM20) provides enhanced remote management capabilitiesPADM20 and PowerAlert Element Manager (PAEM) form a powerful tool for expanding maintenance functions in large installations, including firmware update checks and backup and restoration of device configurationsIP-based Auto Probe detects lost connectivity and restores service autonomously

Essential Safety Features Tiered access allows administrator and guest to log in via web browserImmediate alert notifications via email or SNMP trapsSupports user-specified alarm notification thresholdsReal-time clock backup maintains day/date even if PDU is unpowered

Easy 0U Installation in EIA-Standard 19 in. Racks Mounts vertically using included toolless buttons or rack-mounting bracketsIncluded PDUMVROTATEBRKT allows mounting with rear-facing outlets

TAA-Compliant Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Specifications

OVERVIEW	
UPC Code	037332195418
PDU Type	Switched
INPUT	
Input Phase	3-Phase
PDU Input Voltage	380; 400; 415
Recommended Electrical Service	Three-phase 40A 380-415V service; External service breaker - 3 pole, 415V rated, 50A; Wiring - 5C, #8AWG (10mm2), 75C rated minimum; Conduit - 3/4 in. (19mm) minimum, flexible
Maximum Input Amps	40
Maximum Input Amps Details	Agency de-rated to 40A continuous
PDU Plug Type	Hardwire
Input Cord Length (ft.)	0
Input Cord Length (m)	0.00
OUTPUT	
Output Capacity Details	28.8kW (415/240V), 27.7kW (400/230V), 26.3kW (380/220V) total capacity; 40A max per output phase (L1, L2, L3); 20A max per breakered outlet bank; 16A max per C19 outlet; 12A max per C13 outlet
Frequency Compatibility	50 / 60 Hz
Output Receptacle Details	Compatible with Eaton Tripp Lite Power Cords
Output Receptacles	(24) C13; (6) C19

Output Nominal Voltage	220-240V
Overload Protection	Six 20A breakers protect 4 C13 and 1 C19 outlet each
Customized Load Management Receptacles	Each outlet is individually controllable via remote interface
USER INTERFACE, ALERTS & CONTROLS	
Reported Load Segments	Reports input current per phase (L1, L2, L3), plus output current for each output load bank (B1-B6) and individual output receptacle (1-30); Outlets are color-coded and labeled for phase and load bank identification; L1-N feeds black outlets (B1, B4); L2-N feeds dark-gray outlets (B2, B5); L3-N feeds light-gray outlets (B3, B6)
Front Panel LCD Display	Touchscreen LCD reports NETWORK DATA (IP address, Subnet Mask, Gateway, MAC Address, Device Name, Model, Serial Number), INPUT PHASE DATA (Amperage, Wattage, Voltage per phase, plus Unbalance percentage), LOAD BANK DATA (Amperage, Wattage, Voltage per load bank, plus total PDU output in watts), OUTLET DATA (Amperage, Wattage per outlet), CONFIGURATION DATA (Listing of current configuration settings), ENVIRONMENTAL DATA (Reports data and status of E2 sensor modules; Sensor options are available for temperature and humidity, plus input and output dry contacts), MOBILE ACCESS (Generates a unique QR code to view reported PDU details on a mobile device)
Switches	LX Platform Interface: Recessed reset switch for interface reboot and factory reset
LED Indicators	One LED for each output receptacle offers power availability information: GREEN (Power ON, load bank capacity <80%), YELLOW (Power ON, load bank capacity >80%), RED (Power OFF/undervoltage), RED FLASHING (Power OFF/breaker trip), LED OFF (Power OFF). Network Activity (Green): Flashes for network activity. Link/Network Speed (Yellow): On steady for any speed.
Current Measurement Accuracy (Amps)	+/-1%
Voltage Measurement Accuracy (Volts)	+/-1%
Power Measurement Accuracy (Watts)	+/-1%
SURGE / NOISE SUPPRESSION	
Automatic Shut-Off	No
PHYSICAL	
Material of Construction	Metal
Rack Height	0U
Form Factors Supported	Vertical rackmount installation supported with included mounting brackets; supports toolless mounting in button-mount compatible racks
PDU Form Factor	Vertical (0U)
Shipping Dimensions (hwd / in.)	5.50 x 6.90 x 76.00
Shipping Dimensions (hwd / cm)	13.97 x 17.53 x 193.04
Shipping Weight (lbs.)	18.20
Shipping Weight (kg)	8.26
Unit Dimensions (hwd / in.)	70.000 x 2.170 x 2.520
Unit Dimensions (hwd / cm)	177,8 x 5,51 x 6,4
Unit Weight (lbs.)	13.5
Unit Weight (kg)	6.12

ENVIRONMENTAL	
Operating Temperature Range	32° to 122°F (0° to 50°C)
Storage Temperature Range	-22° to 140°F (-30° to 60°C)
Relative Humidity	5% to 95% non-condensing
Operating Elevation	0-10000 ft. (0-3000 m)
COMMUNICATIONS	
PowerAlert Software	LX Platform Interface: PowerAlert Device Manager
Communications Cable	USB B-to-USB A Configuration/Console Access cable
Network Monitoring Port	RJ45 Network port, RJ45 Config/Console Access port; 2x USB A ports supports a variety of Envirosense2 environmental and control modules. See Accessories>Management Hardware section for more information about these modules. USB B port (Configuration & Console Access)
SNMP Compatibility	SNMP V1, V2c, V3
Network Compatibility	10 Mbps; 100 Mbps (Fast Ethernet); 1 Gbps (Gigabit)
Communications Interface	Pre-installed network card; RS-232; USB
FEATURES & SPECIFICATIONS	
High Availability PDU Features	Auto Probe Monitoring and Reboot (included); Auto Load Shedding
STANDARDS & COMPLIANCE	
Product Certifications	EN 60950-1; CAN/CSA-C22.2 No. 60950-1 (Canada); IEC 60950-1; NOM (Mexico); UL 60950-1
Product Compliance	RoHS; FCC Part 15 Class A (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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