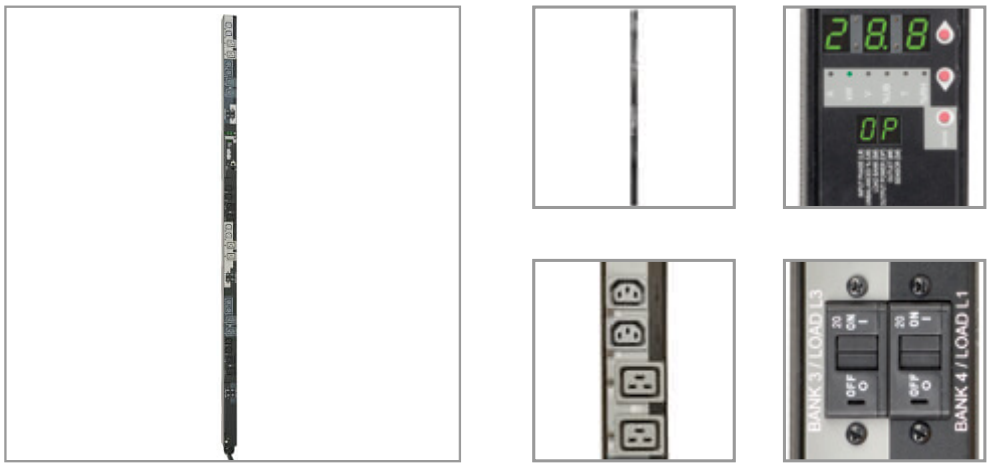
28.8kW 3-Phase Switched PDU, 240/230/220V Outlets (12 C13 & 12 C19), Hardwire 415/400/380V Input, 0U Vertical, TAA

MODEL NUMBER: **PDU3XVSRHWA**



Highlights

- Switched 28.8kW 3-Phase 415/400/380V input 240/230/220V output PDU
- Reports voltage and load per-outlet or per phase via ethernet interface
- 1% billing-grade accuracy; Digital display reports detailed status information
- 70in / 1778mm 0U vertical format; Toolless button-mount installation
- 12 C13 and 12 C19 single phase outlets; Plug-lock cable retention inserts
- Hardwire 3 phase input
- TAA Compliant

Package Includes

- Switched, vertical rackmount PDU with pre-installed mounting buttons
- 12 C13/C14 and 12 C19/C20 Plug-lock cable retention inserts
- Spare installation buttons (2 9mm / 4 6mm), Mounting brackets
- Configuration cable
- Owner's manual

Description

Tripp Lite 3 phase Switched PDU / Power Distribution Unit offers advanced network control and monitoring with the ability to turn on, turn off, recycle or lock-out power to each individual receptacle, monitor site electrical conditions and remotely monitor output power consumption per-phase or per-receptacle. PowerAlert interface supports remote control and custom notification of user-specified conditions via email, secure web, SNMP, Telnet or SSH interface. Individually switched outlets can be controlled in real-time to remotely reboot unresponsive network hardware, or be custom programmed for user-defined power-up and power-down sequences to ensure proper startup of interdependent IT systems and prevent inrush-related overloads as network equipment is first energized. Unused PDU outlets can be electronically locked off to prevent the connection of unauthorized hardware. PDU output current consumption in amps per-phase or per-receptacle can be displayed locally via visual meter or remotely via web/network interface to warn of potential overloads before critical IT mains or branch breakers trip. Highly accurate current metering offers +/-1% billing-grade current monitoring and recording ability for each output phase, breakered load bank and individual outlet.

Features

- 28.8kW Switched 415/400/380V input 240/230/220V output PDU with built-in web/network interface
- Hardwire (3P+N+E) 415/400/380V 3 phase input
- 0U, 70 inch / 178cm vertical form factor
- 24 switched 240/230/200V outlets (12 C13, 12 C19) in 6 separately breakered 20A single phase load banks
- Supports power-on, power-off or reboot of each outlet on a real-time or programmable basis
- Enables reboot of locked equipment, custom power-on/power-off sequences, load shedding of optional loads and disabling unused outlets
- Network interface provides PDU control and data regarding input voltage and load levels per-outlet, per-breaker and per-phase
- Built-in local digital display and remote web/network interface reports detailed voltage, amperage and kilowatt output values per outlet, per breaker and per phase with additional reporting options for power

unbalance percentage, IP address and sensor based temperature and humidity data (requires ENVIROSENSE sensor)

- In-rack environmental reporting with optional ENVIROSENSE temperature / humidity sensor and rack access notification with up to 4 optional SRSWITCH door sensors
- Local display supports electronic 180 degree display rotation for overhead or under-floor input cable orientation
- Supports user-specified alarm notification thresholds
- DHCP/Manual configuration support
- 10/100 Mbps auto-sensing
- Real-time clock backup maintains the time of day and date even if the PDU is unpowered
- Tiered access privileges allow an administrator and a guest to login via web browser
- Alert notifications via email or SNMP traps offer immediate event notification
- Firmware upgrade ability supports future product enhancements
- Supports HTTP, HTTPS, PowerAlert Network Management System, SMTP, SNMPv1, SNMPv2, SNMPv3, Telnet, SSH, FTPP, DHCP, BootP, NTP protocols
- Fully compatible with FREE PowerAlert Network Management System / NMS Software
- Included set of Plug-lock inserts keep C14 and C20 power cords solidly connected to PDU outlets
- Toolless mounting supported in button-mount compatible racks, plus nut-and-bolt mounting brackets for other mounting applications (set of 2 9mm buttons pre-installed, 2 9mm and 4 6mm spare buttons included)

Specifications

OVERVIEW	
UPC Code	037332170026
PDU Type	Switched
INPUT	
Input Phase	3-Phase
Recommended Electrical Service	External circuit breaker - 3 pole, 415V rated, 50A; Wiring - 5C, #8AWG (10mm2), 75C rated minimum; Conduit - 3/4 in. (PG21) minimum, flexible
Maximum Input Amps	40
Maximum Input Amps Details	Agency de-rated to 40A continuous
PDU Plug Type	Hardwire
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 (10A CE) per C13 outlet
Frequency Compatibility	50 / 60 Hz
Output Receptacles	(12) C13; (12) C19
Output Nominal Voltage	220 (380V input); 230 (400V input); 240 (415V input)
Overload Protection	6 20A circuit breakers, 1 per outlet bank
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 (1-24); 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	Large digital display reports Amperage, Kilowatts, Voltage, Unbalance percentage, Temperature* and Humidity* information (*requires ENIVIROSENSE option); Small digital display provides detail on the measurement the large display is reporting: Input-phase (L#), Load bank (B#), Sensor (S#), Outlet (##), Load unbalance % (UB), Output power (OP)
Front Panel LEDs	Set of 6 LEDs identify the value displayed on the large digital display: Amperage (A), Kilowatts (kW), Voltage (V), Unbalance percentage (%UB), Temperature (T), Humidity (%RH); One additional 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)
Switches	Set of UP/DOWN arrow buttons scroll through available Input, Bank, Power, Load balance and Sensor options; Additional MODE button advances the LEDs to view the next measurement
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
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.)	5.91 x 6.89 x 76.57
Shipping Dimensions (hwd / cm)	15.01 x 17.50 x 194.49
Shipping Weight (lbs.)	17.13
Shipping Weight (kg)	7.77
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.)	13.00
Unit Weight (kg)	5.90
ENVIRONMENTAL	
Operating Temperature Range	32 to 140F (0 to 50C)
Storage Temperature Range	-30°C to +60°C (-22°F to +140°F)
Relative Humidity	5-95% non condensing
Operating Elevation	0-10,000
COMMUNICATIONS	
PowerAlert Software	SNMPWEBCARD Interface: PowerAlert 12

Communications Cable	RJ45-to-DB9 configuration/console Access cable
Network Compatibility	10 Mbps; 100 Mbps (Fast Ethernet)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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