# 6.7kW 3-Phase Switched PDU, 200/208/240V Outlets (24 C13, 6 C19), L21-20P, 6ft Cord, 0U Vertical, TAA

MODEL NUMBER: **PDU3VSR6L2120**

## Highlights

- Switched 6.7kW 3 Phase 200/208/240V PDU; 70 in. / 178cm 0U vertical rackmount
- Reports voltage and current per-outlet or per-phase via Ethernet interface
- 1% billing-grade accuracy; Multi-function digital display; Environmental monitoring options
- 70in / 1778mm 0U vertical format; Toolless button-mount installation
- 24 C13 and 6 C19 single phase switched outlets; Plug-lock cable retention sleeves
- NEMA L21-20P 3 phase input; 6 ft. / 1.8m line cord
- TAA Compliant

## Package Includes

- Switched vertical rackmount PDU with pre-installed mounting buttons
- Plug lock cord retention sleeves
- Spare installation buttons (2 9mm / 4 6mm), Mounting brackets
- Configuration cable
- Owner's manual

## Description

Tripp Lite's PDU3VSR6L2120 is a 3 phase Switched PDU / Power Distribution Unit that provides advanced network control and monitoring with the ability to turn on/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. Built-in local digital display and remote web/network interface reports detailed voltage, amperage and kilowatt output values per outlet, per load bank and per phase with additional reporting options for power unbalance percentage, IP address and sensor based temperature and humidity data (requires ENVIROSENSE sensor).

## Features

- 6.7kW 3 phase 200/208/240V Switched Power Distribution Unit / PDU with built-in web/network interface and multi-function digital display
- Attached NEMA L21-20P 3 phase input; 6 ft. / 1.8m cord
- 0U, 70in / 178cm vertical form factor
- 30 switched 200/208/240V outlets (24 C13, 6 C19) arranged in 3 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 level per-outlet and per-phase with +/-1% billing-grade accuracy
- Built-in digital display and remote web/network interface reports voltage, amperage and kilowatt output values per outlet, per load bank and per phase with additional reporting options for power unbalance

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

- Supports user-specified alarm notification thresholds
- In-rack environmental reporting with optional ENVIROSENSE temperature / humidity sensor and rack access notification with up to 4 optional SRSWITCH or user-supplied contact closure sensors
- 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, FTP, 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)
- Federal Trade Agreements Act / TAA Compliant for GSA Schedule purchases

## Specifications

| | |
|---|---|
| **OVERVIEW** | |
| UPC Code | 037332180513 |
| PDU Type | Switched |
| **INPUT** | |
| Input Phase | 3-Phase |
| Recommended Electrical Service | 20A 208/240V with NEMA L21-20R outlet |
| Maximum Input Amps | 16 |
| Maximum Input Amps Details | Agency de-rated to 24A continuous |
| PDU Plug Type | NEMA L21-20P |
| Input Cord Length (ft.) | 6 |
| Input Cord Length (m) | 1.83 |
| **OUTPUT** | |
| Output Capacity Details | 6.7kW (240V), 6.4kW (230V), 6.1kW (220V), 5.8kW (208V), 5.5kW (200V) total capacity / 9.2A max per output phase (L1-L2, L2-L3, L3-L1) |
| Frequency Compatibility | 50 / 60 Hz |
| Output Receptacles | (24) C13; (6) C19 |
| Output Nominal Voltage | 200; 208; 240 |
| Customized Load Management Receptacles | Each outlet is individually controllable via remote interface |

| | |
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| **USER INTERFACE, ALERTS & CONTROLS** | |
| Reported Load Segments | Reports input current per phase (L1, L2, L3), plus output current for each output load bank (9.24A balanced max per banks B1-B3) and individual output receptacle (1-30); Outlets are color-coded and labeled for phase and load bank identification; L1-L2 feeds black outlets (B1); L2-L3 feeds dark-gray outlets (B2); L3-L1 feeds light-gray outlets (B3) |
| 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 | Steel |
| 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.) | 6.20 x 9.60 x 75.80 |
| Shipping Dimensions (hwd / cm) | 15.75 x 24.38 x 192.53 |
| Shipping Weight (lbs.) | 21.27 |
| Shipping Weight (kg) | 9.65 |
| Unit Dimensions (hwd / in.) | 70.000 x 2.170 x 2.860 |
| Unit Dimensions (hwd / cm) | 177.8 x 5.5 x 7.3 |
| Unit Weight (lbs.) | 14.22 |
| Unit Weight (kg) | 6.45 |
| **ENVIRONMENTAL** | |
| Operating Temperature Range | 32 to 122F (0 to 50C) |
| Storage Temperature Range | 5 to 140F (-15 to 60C) |
| 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 |
| SNMP Compatibility | Yes, pre-installed SNMPWEBCARD provides remote monitoring via web, telnet, SSH and SNMP management systems |
| Network Compatibility | 10 Mbps; 100 Mbps (Fast Ethernet) |
| **WARRANTY & SUPPORT** | |
| Product Warranty Period (Worldwide) | 2-year limited warranty |

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