

5.8kW 3-Phase Monitored PDU, 208/120V Outlets (36 C13, 6 C19, 3 5-15/20R), L21-20P, 6ft Cord, 0U Vertical, TAA

MODEL NUMBER: PDU3VN6L2120



Description

Tripp Lite 3 phase Monitored PDU / Power Distribution Unit offers real-time remote monitoring of voltage and load levels via built-in network connection. PowerAlert interface supports custom notification of user-specified remote conditions via email, secure web, SNMP, Telnet or SSH interface. PDU output current consumption in amps is displayed per-phase via front panel lighted digital display and can be monitored remotely to warn of potential overloads before critical IT mains breakers trip.

Features

- 5.8kW 3 phase 208V input PDU with 208 & 120V output Monitored Power Distribution Unit / PDU with built-in web/network interface
- Attached NEMA L21-20P 3 phase input; 6 ft. / 1.8m cord
- 0U, 70 inch / 178cm vertical form factor
- 36 C13 (208V), 6 C19 (208V) and 3 NEMA 5-15/20R (120V) outlets in 3 single phase output load banks
- Network interface provides PDU data regarding input voltage and per-phase load levels with +/-1% billing-grade accuracy
- Built-in local digital display and remote web/network interface reports detailed voltage, amperage and kilowatt output values 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

Highlights

- Monitored 5.8kW 3 Phase 208V input PDU with 208 & 120V output; 70 in. / 178cm 0U vertical rackmount
- Reports voltage & load per-phase via ethernet interface
- 1% billing-grade accuracy, Multi-function digital display, Environmental monitoring options
- NEMA L21-20P 3 phase input; 6 ft. / 1.8m line cord
- 36 C13 & 6 C19 208v outlets, plus 3 NEMA 5-15/20R 120V outlets
- Temperature, humidity and contact closure monitoring options, Plug-lock cable retention sleeves
- TAA Compliant

Package Includes

- Monitored rackmount PDU with pre-installed mounting buttons
- C14 and C20 Plug-lock cable retention sleeves
- Spare installation buttons (2 9mm / 4 6mm)
- Rack mounting brackets
- Owner's manual



- 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 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	
PDU Type	Monitored
OUTPUT	
Output Capacity Details	5.7kW (208/120V) total capacity; 9.2A (208V) max per output phase (L1-L2, L2-L3, L3-L1) / 16A (120V) max per output phase (L1, L2, L3)
Frequency Compatibility	50 / 60 Hz
Output Receptacles	(3) 5-15/20R; (36) C13; (6) C19
Output Receptacle Details	5-15/20R outlets provide 120V output; C13 and C19 outlets provide 208V output
Output Nominal Voltage	120; 208
Overload Protection	n/a
INPUT	
PDU Input Voltage	208
Recommended Electrical Service	20A 208V with NEMA L21-20R outlet
Maximum Input Amps	16
PDU Plug Type	NEMA L21-20P
Input Cord Length (ft.)	6
Input Cord Length (m)	1.8
Input Phase	3-Phase
USER INTERFACE, ALERTS & CONTROLS	
Reported Load Segments	Supports monitoring of input current per phase (L1, L2, L3) and output current for each output load bank (B1-B6); Outlets are color-coded and labelled for phase and load bank identification; L1-L2 feeds black C13/C19 outlets (B1); L2-L3 feeds dark-gray C13/C19 outlets (B2); L3-L1 feeds light-gray C13/C19 outlets (B3); L1-N feeds black 5-20R outlet (B4); L2-N feeds dark-gray 5-20R outlet (B5); L3-N feeds light-gray 5-20R outlet (B6)
Front Panel LCD Display	Large digital display reports Amperage, Kilowatts, Voltage, Unbalance percentage, Temperature* and Humidity* information (*requires ENVIROSENSE option); Small digital display provides detail on the measurement the large display is reporting: Input-phase (L#), Load bank (B#), Sensor (S#), 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); 3 additional multi-color LEDs offer power availability information for each pair of output load banks (Bank 1&4 / Bank 2&5 / Bank 3&6): GREEN (<80% load), YELLOW (>80% load), RED (Power OFF), 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
PHYSICAL	
Shipping Dimensions (hwd / in.)	75.9 x 9.7 x 7.1
Shipping Dimensions (hwd / cm)	191.5 x 24.6 x 18
Shipping Weight (lbs.)	17.8
Shipping Weight (kg)	8.1
Unit Dimensions (hwd / in.)	70 x 2.17 x 2.49
Unit Dimensions (hwd / cm)	177.8 x 5.5 x 6.3
Unit Weight (lbs.)	13.5
Unit Weight (kg)	6.1
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	0U; Vertical
ENVIRONMENTAL	
Operating Temperature Range	32 to 122F (0 to 50C)
Storage Temperature Range	5 to 140F (-15 to 60C)
Relative Humidity	5 to 95% non-condensing
Operating Elevation (ft.)	0-10,000
Operating Elevation (m)	0-3000
COMMUNICATIONS	
SNMP Compatibility	Yes, pre-installed SNMPWEBCARD provides remote monitoring via web, telnet, SSH and SNMP management systems
CERTIFICATIONS	
Certifications	Tested to UL 60950-1 (USA, Canada), Class A (Emissions), NOM (Mexico), RoHS compliant, TAA Compliant
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty



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Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies:

<https://www.tripplite.com/products/product-certification-agencies>