Tripp Lite
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Management Interface
The management interface for this PDU model is transitioning to a new technology platform. The new interface can be distinguished by a USB-A port (for EnviroSense2 modules) in place of the round ENVIROSENSE port. For managing the units containing the round port, Tripp Lite recommends using the PowerAlert Console Launcher rather than a web browser. This application enables local access of the PDU using a self-contained, compatible Java Runtime Environment version. The Console Launcher can be downloaded for free; click the above link or go to the Management Solutions / Utilities page. Units with the new interface work will with most current web browsers.

3.8kW Single-Phase Monitored Automatic Transfer Switch PDU, 2 208/240V 20A L6-20P Inputs, 1 L6-20R Outlet, 1U

MODEL NUMBER: **PDUMNH20HVAT**

High-capacity 3.3/3.8kW PDU with ATS provides remote power monitoring and enables redundant power for non-redundant hardware. Digital display and Ethernet interface monitor load levels to prevent overloads that cause downtime.

Description
The PDUMNH20HVAT 3.3/3.8kW Single-Phase 208/240V Monitored Automatic Transfer Switch / ATS PDU provides remote power monitoring and enables redundant power for network devices with non-redundant power supply configurations. Ideal for data centers and server rooms, it mounts in 1U of space in EIA-standard 19-inch racks and features one L6-20R outlet—perfect for connecting a single device or a 0U 208/240V PDU with an L6-20P plug.

Dual 10-foot input cords with L6-20P plugs connect to separate primary and secondary single-phase power sources. The PDU constantly evaluates the power quality of both input sources. Dynamic solid-state (TRIAC) automatic transfer switching allows the PDU to switch to the secondary source within 1–5 milliseconds should the primary source fail or become unstable to ensure your connected equipment operates without interruption.

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 separate) provide a variety of environmental monitoring capabilities, including temperature and humidity conditions. Protocols supported include IPv4, IPv6, HTTP, HTTPS, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP and NTP. DHCP/Manual configuration lets you assign network settings to the card automatically, reducing the need for manual configuration. Automated alerts help prevent accidental overloads, power loss and downtime.

Highlights
- Two single-phase L6-20P inputs with 10 ft. cords
- L6-20R outlet for connecting single device or 0U vertical PDU
- Automatic transfer switching within 1–5 ms
- Built-in LX Platform Interface for remote access
- Digital display for real-time status monitoring

Package Includes
- PDUMNH20HVAT 3.3/3.8kW Single-Phase 208/240V ATS/Monitored PDU
- Mounting brackets
- Owner’s manual

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Features

Primary and Secondary Inputs for Power Redundancy Provides remote power monitoring and enables redundant power for network devices with non-redundant power supply configurationsDual 10 ft. input cords with L6-20P plugs connect to separate primary and secondary single-phase power sourcesFault-tolerant, hot-swappable UPS protection when used with single UPS; fully redundant UPS protection when each cord is connected to separate UPS systems
Built-In L6-20R Outlet Connects a single device or indirectly powers equipment through a 0U 208/240V PDU with L6-20P input (sold separately)
Automatic Transfer Switching (ATS) Dynamic solid-state (TRIAC) automatic transfer switchingSwitches to secondary power source if primary source fails or becomes unstable1–5 ms transfer time ensures uninterrupted operation of connected equipmentBuilt-in processor prevents switching if secondary source is unavailable or of lower quality than primary source
Multifunction Digital Display Reports source A and source B input power status and other information, including power availability, line voltage, frequency, amps, kilowatts and power factor
Advanced Network MonitoringLX Platform interface allows full remote access for power monitoring with email notifications via secure web browser, SNMP, telnet or SSHReal-time load/current data with billing-grade accuracy (+/- 1 percent)Automated alerts help prevent overloads, power loss and downtimeOptional EnviroSense2 modules (sold separately) provide a variety of environmental monitoring capabilities
Broad Communications Compatibility10/100 Mbps auto-sensing allows optimal communication with 10/100 Base-T networks
Mounts Horizontally in 1U of Rack Space Compatible with EIA-standard 19 in. 4-post racks and rack enclosuresOptional PDU4PKIT rail kit (sold separately) adds rear mounting support

Specifications

OVERVIEW	
UPC Code	037332187932
PDU Type	Monitored; Auto-Transfer Switch
INPUT	
PDU Input Voltage	200; 208; 220; 230; 240
Recommended Electrical Service	20A 208/240V
Maximum Input Amps	20.0
Maximum Input Amps Details	Agency de-rated to 16A continuous
PDU Plug Type	(2) NEMA L6-20P
Input Phase	Single-Phase
Input Cord Details	Set of two inputs connect to separate PRIMARY and SECONDARY power sources
Input Cord Length (ft.)	10
Input Cord Length (m)	3.05
OUTPUT	
Frequency Compatibility	50 / 60 Hz
Output Receptacle Details	Output receptacle is on a 61cm / 24 inch cordset
Output Capacity Details	3.8kW (240V), 3.7kW (230V), 3.5kW (220V), 3.3kW (208V), 3.2kW (200V); 20A maximum (agency de-rated to 16A continuous)
Output Receptacles	(1) L6-20R

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Output Nominal Voltage	200; 208; 220; 230; 240
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	Digital display reports input current in amps (Source A, Source B), output kilowatts (total), input voltage (Source A, Source B), input frequency (Source A, Source B) and output power factor
Front Panel LEDs	Front panel LEDs confirm amp (A) / kilowatt (kW) / voltage (V) / frequency (Hz) and power factor (PF) reporting information; Additional set of LEDs indicate Source A and Source B inputs for preferred, available and in-use status
Switches	ENTER and MODE switches toggle the digital display to display all reported information
Current Measurement Accuracy (Amps)	+/-1%
Voltage Measurement Accuracy (Volts)	+/-1%
Power Measurement Accuracy (Watts)	+/-1%
PHYSICAL	
Form Factors Supported	1U rackmount
Material of Construction	Metal
Minimum Required Rack Depth (cm)	44.45
Minimum Required Rack Depth (inches)	17.5
PDU Form Factor	Horizontal (1U)
Shipping Dimensions (hwd / cm)	18.29 x 52.07 x 52.07
Shipping Dimensions (hwd / in.)	7.20 x 20.50 x 20.50
Shipping Weight (kg)	7.21
Shipping Weight (lbs.)	15.90
Unit Dimensions (hwd / cm)	4.4 x 43 x 35.6
Unit Dimensions (hwd / in.)	1.72 x 16.93 x 14
Unit Weight (kg)	6.97
Unit Weight (lbs.)	15.37
ENVIRONMENTAL	
Operating Temperature Range	32 to 122F (0-50C)
Storage Temperature Range	-30°C to +60°C (-22°F to +140°F)
Relative Humidity	5 to 95% (non-condensing)
SPECIAL FEATURES	
High Availability PDU Features	Auto Probe Monitoring (included)
STANDARDS & COMPLIANCE	

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Certifications	Tested to UL/CSA 60950-1 (USA, Canada), FCC Class A (Emissions), NOM (Mexico), RoHS Complaint
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty