

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.

3.3/3.8kW Single-Phase 208/240V ATS/Monitored PDU, L6-20R Outlet, 2 L6-20P Inputs, 1U Rack-Mount

MODEL NUMBER: PDUMNH20HVAT



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
- Ethernet network 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

Description

The PDUMNH20HVAT 3.3/3.8kW Single-Phase 208/240V ATS/Monitored 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.

Built-in Ethernet network interface allows remote access to the PDU for power monitoring, configuration, control and notifications via web browser, SSH, telnet or SNMP. Provides real-time load/current data with billing-grade accuracy (+/- 1 percent). Tiered access privileges allow both an administrator and a guest to log in. Automated alerts help prevent accidental overloads, power loss and downtime. Digital display indicates power availability, voltage, source A/B input status, output load and power factor, as well as temperature and humidity conditions with the optional **ENVIROSENSE** module (sold separately).

Features

Primary and Secondary Inputs for Power Redundancy

- Provides remote power monitoring and enables redundant power for network devices with non-redundant power supply configurations



- Dual 10 ft. input cords with L6-20P plugs connect to separate primary and secondary single-phase power sources
- Fault-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 switching
- Switches to secondary power source if primary source fails or becomes unstable
- 1–5 ms transfer time ensures uninterrupted operation of connected equipment
- Built-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 Monitoring

- Built-in Ethernet network interface allows full remote access for power monitoring, configuration, control and notifications via web browser, SSH, telnet or SNMP
- Real-time load/current data with billing-grade accuracy (+/- 1 percent)
- Automated alerts help prevent overloads, power loss and downtime
- Optional [ENVIROSENSE](#) module (sold separately) monitors temperature and humidity

Broad Communications Compatibility

- Supports HTTP, HTTPS, PowerAlert®, SMTP, SNMPv1, SNMPv2, SNMPv3, Telnet, SSH, FTP, DHCP, BOOTP and NTP
- 10/100 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 enclosures
- Optional [PDU4PKIT](#) rail kit (sold separately) adds rear mounting support

Specifications

OVERVIEW	
PDU Type	Monitored; Auto-Transfer Switch
OUTPUT	
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)
Frequency Compatibility	50 / 60 Hz
Output Receptacles	(1) L6-20R



Output Receptacle Details	Output receptacle is on a 61cm / 24 inch cordset
Output Nominal Voltage	200; 208; 220; 230; 240
INPUT	
PDU Input Voltage	200; 208; 220; 230; 240
Recommended Electrical Service	20A 208/240V
Maximum Input Amps	20
Maximum Input Amps Details	Agency de-rated to 16A continuous
PDU Plug Type	(2) NEMA L6-20P
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
Input Phase	Single-Phase
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
PHYSICAL	
Minimum Required Rack Depth (inches)	17.5
Minimum Required Rack Depth (cm)	44.45
Shipping Dimensions (hwd / in.)	7.48 x 21.65 x 20.67
Shipping Dimensions (hwd / cm)	19 x 55 x 52.5
Shipping Weight (lbs.)	16.68
Shipping Weight (kg)	7.57
Unit Dimensions (hwd / in.)	1.72 x 16.93 x 14
Unit Dimensions (hwd / cm)	4.4 x 43 x 35.6
Unit Weight (lbs.)	15.37
Unit Weight (kg)	6.97
Material of Construction	Metal
Form Factors Supported	1U rackmount
PDU Form Factor	1U; Horizontal
Minimum Required Rack Depth (mm)	444



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ENVIRONMENTAL	
Operating Temperature Range	32 to 122F (0-50C)
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
CERTIFICATIONS	
Certifications	Tested to UL/CSA 60950-1 (USA, Canada), FCC Class A (Emissions), NOM (Mexico), RoHS Compliant
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

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