Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

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.

7.4kW Single-Phase 230V ATS/Monitored PDU, IEC309 32A Blue Outlet, 2 IEC309 32A Blue Inputs, 1U Rack-Mount

MODEL NUMBER: **PDUMNH32HVAT**





Highlights

- Two IEC 309 32A Blue (2P+E) inputs w/10 ft. (3 m) cords
- IEC 309 32A Blue (2P+E) outlet for connecting device or 0U PDU
- Automatic transfer switching within 1–5 ms
- Ethernet network interface for remote access
- Digital display with LEDs for real-time status monitoring

Package Includes

- PDUMNH32HVAT 7.4kW Single-Phase 230V ATS/Monitored PDU
- Rack-mounting brackets
- PDU4PKIT rear support rail kit
- Owner's manual

Description

The PDUMNH32HVAT 7.4kW Single-Phase 230V 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 has an IEC 309 32A Blue outlet for connecting a single device or an additional 230V PDU with IEC 309 32A Blue plug, such as Tripp Lite's PDUMV32HV.

Dual 10-foot (3-meter) input cords with IEC 309 32A Blue plugs connect to separate primary and secondary single-phase power sources, including out-of-phase sources. The PDU constantly evaluates the power quality of both input sources. To ensure connected equipment remains powered, dynamic solid-state (TRIAC) automatic transfer switching allows the PDU to switch to the secondary source within 1–5 milliseconds if the primary source fails or becomes unstable.

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 overloads, power loss and downtime. Digital display with LEDs indicates power availability, voltage, input status for both power sources, 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

- Offers remote power monitoring and enables redundant power for network devices with non-redundant power supply configurations
- IEC 309 32A Blue (2P+E) inputs with 10 ft. (3 m) cords 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

Built-In IEC 309 32A Blue Outlet

- Powers a single device or indirectly powers equipment through a 0U 230V PDU with IEC 309 32A Blue (2P+E) input (sold separately)

Automatic Transfer Switching

- 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 monitors power sources and prevents switching if secondary source is unavailable or of lower quality than primary source

Multifunction Digital Display with LEDs

- Reports input status for primary and secondary power sources, 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)
- Tiered access privileges allow both an administrator and guest to log in
- Optional ENVIROSENSE module (sold separately) monitors temperature and humidity

Broad Communications Compatibility

- Supports HTTP, HTTPS, PowerAlert® Network Management System, SMTP, SNMPv1, SNMPv2, SNMPv3, Telnet, SSH, FTP, DHCP, BOOTP and NTP
- 10/100 Mbps auto-sensing for 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
- Included PDU4PKIT rail kit adds rear rack-mounting support

Specifications

OVERVIEW	
PDU Type	Monitored; Auto-Transfer Switch
OUTPUT	
Output Capacity Details	7.7kW (240V); 7.4kW (230V); 7.0kW (220V); 6.7kW (208V); 6.4kW (200V); 32A maximum
Frequency Compatibility	50 / 60 Hz
Output Receptacles	IEC309 32A BLUE (2P+E)

Output Receptacle Details	Output receptacle is on a 61cm / 24 inch cordset
Output Nominal Voltage	240, 230, 220, 208, 200
Overload Protection	n/a
INPUT	
PDU Input Voltage	200; 208; 220; 230; 240
Recommended Electrical Service	32A 230V
Maximum Input Amps	32
PDU Plug Type	(2) IEC-309 32A BLUE (2P+E)
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	
Included Mounting Accessory Description	Included mounting rails compatible with rack depth settings from 57.9 to 91.5cm (22.8 to 36 inches)
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.)	17.36
Shipping Weight (kg)	7.89
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.)	18.26
Unit Weight (kg)	8.28
Material of Construction	Metal
Form Factors Supported	1U rackmount
PDU Form Factor	1U; Horizontal

Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

Minimum Required Rack Depth (mm)	444
ENVIRONMENTAL	
Operating Temperature Range	32 to 122F (-15 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
CERTIFICATIONS	
Certifications	Tested to CE (IEC60950-1+A1,A2; Class A); RoHS Compliant
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty