

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 with most current web browsers.

7.4kW Single-Phase Monitored Automatic Transfer Switch PDU, 2 230V 32A IEC309 32A Blue Inputs, 1 IEC309 32A Outlet, 1U

MODEL NUMBER: PDUMNH32HVAT



High-capacity 7.4kW PDU with ATS provides remote power monitoring and enables redundant power for non-redundant hardware. Digital display and Ethernet interface allow site power status monitoring for primary and secondary inputs, plus load level monitoring to prevent overload conditions.

Description

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

Dual 3 meter (10ft) input cords, each with IEC 309 32A Blue input plug, connect to any two separate primary and secondary input power sources, including out-of-phase input sources. The PDU constantly evaluates the power quality of both inputs. 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 LX Platform network management interface allows remote access to the PDU for power monitoring, configuration, control and to receive user-configurable notifications. The Java-free LX Platform HTML5-based network interface enables full remote access for PDU status monitoring and email notifications via secure web browser, SNMP, telnet or SSH. Provides real-time load/current data with billing-grade accuracy (± 1 percent). 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. Protocols supported include HTTP, HTTPS, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP and NTP.

Highlights

- Two IEC 309 32A Blue (2P+E) inputs, each with 3m (10 ft) input cord
- One IEC 309 32A Blue (2P+E) output receptacle for connecting device or multi-outlet PDU
- ATS / Automatic Transfer Switching within 1–5 ms
- LX Platform 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



Features

Primary and Secondary Inputs for Power Redundancy Enables redundant power configurations for network devices with a single input cord or other non-redundant power supply configuration Two IEC 309 32A Blue (2P+E) inputs, each with 10 ft. (3 m) cord, connect to separate primary and secondary input power sources Any two input power sources are supported for primary and secondary inputs, including out-of-phase power sources

Built-In IEC 309 32A Blue Outlet Power a single 32A plug-in device or multiple network devices through a connected 32A 230V multi-outlet PDU, such as Tripp Lite's PDUMV32HV metered PDU 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

Touchscreen LCD and Java-free LX platform network interface Reports input status for primary and secondary power sources, power availability, line voltage, frequency, amps, kilowatts and power factor LX Platform interface allows full remote access for power monitoring with email notifications via secure web browser, SNMP, telnet or SSH Optional EnviroSense2 modules (sold separately) provide a variety of environmental monitoring capabilities

Advanced Network Monitoring LX platform interface provides remote monitoring and control via Java-free HTML5 web interface, telnet, SSH and SNMP management systems Real-time load/current data with billing-grade accuracy (+/- 1 percent) Tiered access privileges allow both an administrator and guest to log in

Broad Communications Compatibility Java-free LX Platform HTML5-based network interface enables full remote access for PDU status monitoring and email notifications via secure web browser, SNMP, telnet or SSH Supports 10/100 Mbps auto-sensing for optimum communication with an Ethernet network Protocols supported include HTTP, HTTPS, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP 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	
UPC Code	037332187871
PDU Type	Monitored; Auto-Transfer Switch
INPUT	
PDU Input Voltage	208; 220; 230; 240
Recommended Electrical Service	32A 230V
Maximum Input Amps	32
PDU Plug Type	(2) IEC-309 32A BLUE (2P+E)
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	
Output Capacity Details	7.7kW (240V); 7.4kW (230V); 7.0kW (220V); 6.7kW (208V); 32A maximum
Frequency Compatibility	50 / 60 Hz



Output Receptacle Details	Output receptacle is on a 61cm / 24 inch cordset
Output Receptacles	IEC309 32A BLUE (2P+E)
Output Nominal Voltage	240, 230, 220, 208
Overload Protection	n/a
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
Included Mounting Accessory Description	Included mounting rails compatible with rack depth settings from 57.9 to 91.5cm (22.8 to 36 inches)
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 54.10 x 57.15
Shipping Dimensions (hwd / in.)	7.20 x 21.30 x 22.50
Shipping Weight (kg)	9.80
Shipping Weight (lbs.)	21.60
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)	8.28
Unit Weight (lbs.)	18.26
ENVIRONMENTAL	
Operating Temperature Range	32 to 122F (-15 to 50C)
Storage Temperature Range	-30°C to +60°C (-22°F to +140°F)
Relative Humidity	Up to 95% (non-condensing)



COMMUNICATIONS	
SNMP Compatibility	Pre-installed LX platform interface provides remote monitoring via Java-free HTML5 web interface, telnet, SSH and SNMP management systems
SPECIAL FEATURES	
High Availability PDU Features	Auto Probe Monitoring (included)
STANDARDS & COMPLIANCE	
Certifications	Tested to CE (IEC60950-1+A1,A2; Class A); Class A (Emissions); RoHS Compliant
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

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