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Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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.

3.7kW Single-Phase 230V ATS/Monitored PDU with LX Platform Interface, IEC309 16A Blue Outlet, 2 IEC309 16A Blue Inputs, 1U Rack-Mount

MODEL NUMBER: PDUMNH16HVAT



High-capacity 3.7kW PDU with ATS provides remote power monitoring and enables redundant power for non-redundant hardware. Digital display and Ethernet interface allow load monitoring to prevent overloads that cause downtime.

Description

The PDUMNH16HVAT 3.7kW 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 IEC309 16A Blue outlet for connecting a single device or a 0U 230V vertical PDU with IEC309 16A Blue plug.

Dual 10-foot input cords with IEC309 16A 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. 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 to ensure connected equipment remains powered.

Built-in LX Platform network management interface card. 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. It supports 10/100 Mbps auto-sensing for optimum communication with an Ethernet network. Optional EnviroSense2 modules (sold separately) provide a variety of environmental monitoring capabilities. Protocols supported include HTTP, HTTPS, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP and NTP. 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 optional ENVIROSENSE2 module (sold separately).

Highlights

- Two IEC309 16A Blue (2P+E) inputs with 10 ft. cords
- IEC309 16A Blue outlet (2P+E) for connecting device or 0U PDU
- Automatic transfer switching within 1–5 ms
- Built-in LX Platform network interface for remote access
- Digital display with LEDs for real-time status monitoring

Package Includes

- PDUMNH16HVAT 3.7kW Single-Phase 230V ATS/Monitored PDU
- Rack-mounting brackets
- Owner's manual

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
- IEC309 16A Blue (2P+E) inputs with 10 ft. 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 a separate UPS

Built-In IEC309 16A Blue Outlet

- Powers a single device or indirectly powers equipment through a 0U 230V PDU with IEC309 16A Blue 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

- LX Platform interface allows full remote access for power monitoring with email notifications via secure web browser, SNMP, telnet or SSH
- Real-time load/current data with billing-grade accuracy (+/- 1 percent)
- Optional EnviroSense2 modules (sold separately) provide a variety of environmental monitoring capabilities

Broad Communications Compatibility

- 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
- Optional PDU4PKIT rail kit (sold separately) adds rear mounting support

Specifications



UPC Code	037332186560
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); 16A maximum
Frequency Compatibility	50 / 60 Hz
Output Receptacles	(1) IEC309 16A BLUE (2P+E)
Output Nominal Voltage	240, 230, 220, 208, 200
Overload Protection	n/a
INPUT	
PDU Input Voltage	200; 208; 220; 230; 240
Recommended Electrical Service	16A 230V
Maximum Input Amps	16.0
PDU Plug Type	(2) IEC-309 16A 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
Current Measurement Accuracy (Amps)	+/-1%
Voltage Measurement Accuracy (Volts)	+/-1%
Power Measurement Accuracy (Watts)	+/-1%
PHYSICAL	
Minimum Required Rack Depth (inches)	17.5
Minimum Required Rack Depth (cm)	44.45
Shipping Dimensions (hwd / in.)	7.20 x 20.50 x 21.10
Shipping Dimensions (hwd / cm)	18.29 x 52.07 x 53.59
Shipping Weight (lbs.)	16.70



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

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.)	17.36
Unit Weight (kg)	7.87
Material of Construction	Metal
Form Factors Supported	1U rackmount
PDU Form Factor	Horizontal (1U)
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)
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

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