

## 7.7kW Single-Phase 200-240V Monitored Automatic Transfer Switch PDU, Two 32A IEC309 32A Blue Inputs, 1 IEC309 32A Outlet, 1U

MODEL NUMBER: PDUMNH32HVAT



High-capacity 7.7kW 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 7.7kW Single-Phase 200-240V 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 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 10-ft. (3.05 m) 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 ( $\pm 1$  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.

### 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. (3.05 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 200-240V 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

### Highlights

- Two IEC 309 32A Blue (2P+E) inputs, each with 10-ft. (3.05 m) 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
- Pre-installed WEBCARDLX with latest version of PADM20 for enhanced remote management
- Digital display with LEDs for real-time status monitoring

### Package Includes

- PDUMNH32HVAT 7.7kW Single-Phase 200-240V ATS/Monitored PDU
- Rack-mounting brackets
- PDU4PKIT rear support rail kit
- Owner's manual



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** Reports input status for primary and secondary power sources, power availability, line voltage, frequency, amps, kilowatts and power factor

**Advanced Network Monitoring** Pre-installed WEBCARDLX with the latest version of PowerAlert Device Manager firmware (PADM20) provides enhanced remote management capabilities  
PADM20 and PowerAlert Element Manager (PAEM) form a powerful tool for expanding maintenance functions in large installations, including firmware update checks and backup and restoration of device configurations

**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                 | 200-240V   |
| Recommended Electrical Service    | Two single-phase 32A 200-240V circuits   |
| 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), 6.4kW (200V) total capacity; 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            | 200-240V   |
| 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%  |
| <b>PHYSICAL</b>                         |  |
| Material of Construction                | Metal  |
| 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)  |
| 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  |
| <b>ENVIRONMENTAL</b>                    |  |
| Operating Temperature Range             | 0C ~ 50C (32F ~ 122F)  |
| Storage Temperature Range               | -30°C to +60°C (-22°F to +140°F)   |
| Relative Humidity                       | Up to 95% (non-condensing)   |
| <b>COMMUNICATIONS</b>                   |  |
| SNMP Compatibility                      | Pre-installed LX platform interface provides remote monitoring via Java-free HTML5 web interface, telnet, SSH and SNMP management systems  |
| <b>FEATURES &amp; SPECIFICATIONS</b>    |  |
| High Availability PDU Features          | Auto Probe Monitoring (included)   |



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
[www.tripplite.com](http://www.tripplite.com)

| <b>STANDARDS &amp; COMPLIANCE</b>   |   |
|-------------------------------------|---|
| Certifications                      | Tested to CE (IEC60950-1+A1,A2; Class A); Class A (Emissions); RoHS Compliant |
| <b>WARRANTY</b>                     |   |
| Product Warranty Period (Worldwide) | 2-year limited warranty   |

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