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.

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

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 the PDUMV32HV.

Dual 10-foot (3.1-meter) 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.

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 configurationTwo IEC 309 32A Blue (2P+E) inputs, each with 10-ft. (3.05 m) cord, connect to separate primary and secondary input power sourcesAny 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 rack PDU (rPDU), such as PDUMV32HV metered PDU input (sold separately)

Automatic Transfer Switching Dynamic solid-state (TRIAC) automatic transfer switchingSwitches to secondary power source if primary source fails or becomes unstable1-5 ms transfer time ensures

uninterrupted operation of connected equipmentBuilt-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 capabilitiesPADM20 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 SSHSupports 10/100 Mbps auto-sensing for optimum communication with an Ethernet networkProtocols 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 enclosuresIncluded PDU4PKIT rail kit adds rear rack-mounting support

Specifications

OVERVIEW	
UPC Code	037332187871
PDU Type	Monitored; Auto-Transfer Switch
INPUT	
Input Phase	Single-Phase
PDU Input Voltage	200; 208; 220; 230; 240
Recommended Electrical Service	Two single-phase 32A 200-240V circuits
Maximum Input Amps	32
PDU Plug Type	(2) IEC-60309 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
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%
SURGE / NOISE SUPPRESSION	
Automatic Shut-Off	No
PHYSICAL	
Material of Construction	Metal
Rack Height	1U
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 / in.)	7.20 x 21.30 x 22.50
Shipping Dimensions (hwd / cm)	18.29 x 54.10 x 57.15
Shipping Weight (lbs.)	21.60
Shipping Weight (kg)	9.80
Unit Dimensions (hwd / in.)	1.720 x 16.930 x 14.000
Unit Dimensions (hwd / cm)	4.4 x 43 x 35.6
Unit Weight (lbs.)	18.26
Unit Weight (kg)	8.28
ENVIRONMENTAL	
Operating Temperature Range	32° to 122°F (0° to 50°C)
Storage Temperature Range	-22° to 140°F (-30° to 60°C)
Relative Humidity	5% to 95% non-condensing
Operating Elevation	0-10000 ft. (0-3000 m)
COMMUNICATIONS	

PowerAlert Software	LX Platform Interface: PowerAlert Device Manager
Communications Cable	Micro-USB- to-USB A configuration/console Access cable
Network Monitoring Port	RJ45 Network port, Micro-USB Configuration port, USB A port supports a variety of Envirosense2 environmental and control modules. See Accessories>Management Hardware section for more information about these modules.
SNMP Compatibility	Pre-installed LX platform interface provides remote monitoring via Java-free HTML5 web interface, telnet, SSH and SNMP management systems
Network Compatibility	10 Mbps; 100 Mbps (Fast Ethernet)
FEATURES & SPECIFICATIONS	
High Availability PDU Features	Auto-Transfer Switching
STANDARDS & COMPLIANCE	
Product Certifications	EN 60950-1
Product Compliance	RoHS; CE (Europe); FCC Part 15 Class A (USA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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