7.7kW Single-Phase Switched Automatic Transfer Switch PDU, Two 200-240V IEC309 32A Blue Inputs, 16-C13 2-C19 Outlets, 2U, TAA

MODEL NUMBER: **PDUMH32HVATNET**

High-capacity 7.7kW 200-240V PDU with ATS provides remote power monitoring and enables redundant power for non-redundant hardware. LED display and LX Platform network interface enables remote outlet control and monitoring of site power status and PDU load levels.

Highlights

- Single-phase IEC309 200-240V 32A Blue (2P+E) input
- 16 C13 and 2 C19 230V switched outlets in 2 breakered load banks
- Automatic transfer switching within 1–5 ms
- Ethernet network interface for remote access
- Digital LED display for real-time status and current monitoring

Package Includes

- PDUMH32HVATNET 7.7kW Single-Phase 200-240V ATS / Switched PDU
- Rack-mounting brackets
- Plug-lock cable retention sleeves
- USB configuration cable
- Owner’s manual

Description

The PDUMH32HVATNET 7.7kW Single-Phase 200-240V Switched 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 2U of space in EIA-standard racks and features 18 switched outlets (16 C13 and two C19) in two load banks, each bank protected by a 20A circuit breaker.

Dual 3-meter input cords with IEC309 32A Blue (2P+E) plugs connect to separate primary and secondary single-phase 230V power 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 should the primary source fail or become unstable to ensure your connected equipment operates without interruption.

Built-in LX Platform network management interface. 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 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 The PDUMH32HVATNET rack PDU (rPDU) provides remote power monitoring and enables redundant power for network devices single-corded and other non-redundant power supply configurationsDual 3m input cords with IEC309 32A Blue (2P+E) plugs connect to separate primary and secondary single-phase power sources

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 both sources and prevents switching if secondary source is unavailable or of lower quality than primary source

Multifunction Digital LED Display Reports source A and source B input power status and other information, including power availability, line voltage, frequency, amps, kilowatts and power factor

Advanced LX Platform InterfaceLX Platform interface allows full remote access for power monitoring

with email notifications via secure web browser, SNMP, telnet or SSHReal-time load/current data with billing-grade accuracy (+/- 1 percent)Automated alerts help prevent accidental overloads, power loss and downtimeOptional EnviroSense2 modules (sold separately) provide a variety of environmental monitoring capabilities

Broad Communications Compatibility Protocols supported include HTTP, HTTPS, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP and NTP

Breaker Protected Output Load Banks Protect each of 2 single-phase output banksFront-panel LED indicates when breaker has tripped

Cord Retention Sleeves Set of Plug-lock output power cable retention sleeves prevent accidental disconnection of connected devices

Mounts Horizontally in 2U of Rack Space Compatible with EIA-standard 19 in. 4-post racks and rack enclosures

TAA-Compliant Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Specifications

OVERVIEW	
UPC Code	037332186874
PDU Type	Auto-Transfer Switch; Switched
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; accepts inputs at all phase angles
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); 32A maximum total output; 16A maximum per breakered load bank; 16A maximum per C19 outlet; 10A maximum per C13 outlet
Frequency Compatibility	50 / 60 Hz
Output Receptacles	(16) C13; (2) C19
Output Nominal Voltage	200-240V
Overload Protection	Includes two branch-rated 20A output circuit breakers; Breaker 1 controls the upper row of 9 outlets (8 C13, 1 C19); Breaker 2 controls the lower row of outlets (8 C13, 1 C19)
Customized Load Management Receptacles	Each outlet is individually controllable via remote interface

USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	Digital display reports output amps in 3 separately metered load segments (BANK 1: Outlets #1-9; BANK 2: Outlets #10-18; BANK 3: Total Output), whole-PDU output kW load level and input voltage on primary and secondary input lines
Front Panel LEDs	Front panel LEDs confirm amp / kilowatt / voltage reporting information
Switches	ENTER and MODE switches toggle the digital display to show output amps (Bank 1, Bank 2 and Total), total kW output and input voltage (primary, secondary)
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	2U
Form Factors Supported	2U rackmount
Minimum Required Rack Depth (cm)	40.64
Minimum Required Rack Depth (inches)	16
PDU Form Factor	Horizontal (2U)
Shipping Dimensions (hwd / in.)	7.80 x 18.00 x 19.60
Shipping Dimensions (hwd / cm)	19.81 x 45.72 x 49.78
Shipping Weight (lbs.)	20.10
Shipping Weight (kg)	9.12
Unit Dimensions (hwd / in.)	3.500 x 17.500 x 12.500
Unit Dimensions (hwd / cm)	8,8 x 44,4 x 31,7
Unit Weight (lbs.)	13.7
Unit Weight (kg)	6.21
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	-22° to 122°F (-30° to 50°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.
Network Compatibility	10 Mbps; 100 Mbps (Fast Ethernet)
FEATURES & SPECIFICATIONS	
High Availability PDU Features	Auto Probe Monitoring and Reboot (included); Auto-Transfer Switching; Auto Load Shedding
STANDARDS & COMPLIANCE	
Product Certifications	CAN/CSA-C22.2 No. 60950-1 (Canada); NOM (Mexico)
Product Compliance	RoHS; CE (Europe); FCC Part 15 Class A (USA); UKCA; Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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