7.4kW 200-240V Single-Phase ATS/Monitored PDU - 16 C13 & 2 C19 Outlets, Dual IEC 309 32A Blue Inputs, 3 m Cords, 2U, TAA

MODEL NUMBER: **PDUMNH32HVAT2**



ATS PDU allows real-time current metering and remote power monitoring to help prevent circuit overloads and ensure proper load balance.

Highlights

- Built-in HTML5-based LX Platform interface allows you 24/7 remote access
- Enables redundant A/B power option for single-corded network devices
- Digital meter for real-time voltage, amp and load monitoring helps prevent overloads
- 3 m cords with IEC 309 32A Blue inputs connect to separate power sources
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

- PDUMNH32HVAT2 7.4kW Single-Phase ATS/Monitored PDU
- Configuration cable, USB-A to USB Micro-B
- Rack-mounting hardware
- Installable plug-retention sleeves
- Cable ties
- Owner's manuals

Features

Single-Phase 32A 200-240V ATS PDU Distributes and Monitors Network-Grade Power in Real Time
This monitored rack PDU (rPDU) provides real-time remote monitoring of voltage, frequency and load levels via its built-in network interface. Ideal for network IT applications, small computer rooms and other equipment rack applications, the PDUMNH32HVAT2 features 16 C13 and 2 C19 outlets in two load banks, each bank protected by a 20A circuit breaker. Dual three-meter power cords with IEC 309 32A Blue inputs connect to separate primary and secondary mains circuits, backup generators, UPS systems or utility power grids, including out-of-phase sources.

Switches from Primary to Secondary Power Source in Milliseconds
Dynamic solid-state automatic transfer switching (ATS) 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. An on-board ATS processor constantly evaluates the power quality of both input sources. It prevents switching if the secondary source is unavailable or of lower quality than the primary source.

Built-In LX Platform Network Management Card Allows Remote Access 24/7
The Java-free HTML5-based WEBCARDLX network interface enables full remote access for PDU status monitoring and email notifications via secure web browser, SNMP, telnet or SSH. The latest version of PowerAlert Device Manager (PADM20) provides enhanced remote management capabilities, including customizable dashboard graphs to fit user preferences. The PADM20 upgrade 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.

Digital Load Meter Helps Prevent Potentially Expensive Overloads
A digital ammeter reports the total load for all connected equipment in amps and kilowatts. Monitoring capacity helps ensure load levels remain well below maximum capacity levels with no danger of overload that could lead to costly downtime or damaged equipment. Maintaining proper load levels, even while adding new equipment, can keep your TCO (total cost of ownership) low. Current monitoring provides 1% billing grade accuracy.

Mounts into 2U of Rack Space or on a Wall
Use the included mounting hardware to install the all-metal housing into 1U of space in an EIA-standard

19-inch rack. You may also use the mounting brackets to secure the PDU to a wall or under a counter.

TAA-Compliant for GSA Schedule Purchases
The PDUMNH32HVAT2 is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

Specifications

OVERVIEW	
UPC Code	037332261441
PDU Type	Auto-Transfer Switch; Local Metered; Monitored
INPUT	
Input Phase	Single-Phase
PDU Input Voltage	200-240V
Recommended Electrical Service	32A 230V
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 (kW)	7.4
Output Capacity Details	7.4kW (230V), 7.0kW (220V), 6.4kW (200V); 32A maximum; 16A max per breakered outlet bank; 16A max per C19 outlet; 10A max per C13 outlet
Frequency Compatibility	50 / 60 Hz
Output Receptacles	(16) C13; (2) C19
Output Nominal Voltage	200V; 220V; 230V
Overload Protection	Includes two 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)
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	Digital display reports output amps and kilowatts in 4 separately metered loading segments (BANK 1: Outlets #1-9; BANK 2: Outlets #10-18), whole-PDU output kW load level and input voltage on primary and secondary input lines, IP address. Temperature and Humidity will report through display when an optional Envirosense2 module is attached.
Front Panel LEDs	Front panel LEDs confirm amp / kilowatt / voltage reporting information. Two AC active source LEDs for primary and secondary input availability.
Switches	ENTER and MODE switches toggle the digital display to show output amps (Banks 1-4), total kW output and input voltage (primary, secondary), and IP address..
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.)	7.70 x 16.70 x 19.30
Shipping Weight (kg)	9.21
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.
SNMP Compatibility	Yes
Network Compatibility	10 Mbps; 100 Mbps (Fast Ethernet)
Network Speed Details	10 / 100
Network Management Card Description	PowerAlert Device Manager 20 (PADM20) supports SNMP / HTTP / HTTPS / TELNET / SSH / CLI user interfaces
Communications Interface	(1) DB9 Serial; (1) Micro-USB; (1) Pre-installed network card; (1) RJ45 Network; (1) USB-A
FEATURES & SPECIFICATIONS	
High Availability PDU Features	Auto-Transfer Switching
STANDARDS & COMPLIANCE	
Product Certifications	IEC 62368-1; RETIE (Colombia)

Product Compliance	RoHS; CE (Europe); FCC Part 15 Class A (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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