3.8kW 200–240V Single-Phase ATS/Monitored PDU - 8 C13 and 2 C19 Outlets, Dual C20 Inlets, 12 ft. Cords, Network Card, 1U, TAA

MODEL NUMBER: **PDUMNH20HVAT1**



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

Features

Single-Phase 20A ATS rack PDU (rPDU) Distributes and Monitors Network-Grade Power in Real Time
This monitored PDU 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 PDUMNH20HVAT1 features eight C13 and two C19 200–240V outlets for connecting equipment. Dual 12-foot (3.7-meter) power cords with C20 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
Automatic transfer switching (ATS) allows the PDU to switch to the secondary source within 2–7 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.

Pre-Installed WEBCARDLX Network Interface Offers 24/7 Remote Access for Monitoring and Control
The 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. Monitoring amperage helps ensure load levels remain well below maximum capacity 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.

Mounts into 1U of Rack Space

Highlights

- 8 C13 and 2 C19 200-240V outlets distribute AC power to connected equipment
- Switches from primary to secondary power source in <7 ms for constant operation
- Digital ammeter for on-site real-time load monitoring helps prevent power overloads
- Includes WEBCARDLX with latest version of PADM20 for enhanced remote management
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Applications

- Deliver network-grade power to rack equipment in a small-to-mid-sized data center, computer room or high-density network closet in a government, commercial or industrial facility
- Monitor power load in real time from all connected computers, switches, servers and other networking equipment
- Provide redundant power to network devices with non-redundant power supplies

Package Includes

- PDUMNH20HVAT1 3.8kW Single-Phase ATS/Monitored PDU
- (2) Detachable C19 to C20 input cords, 12 ft. (3.7 m)
- Configuration cable
- (10) Plug-lock insert sleeves
- Rack-mounting hardware
- Owner's manual

Use the included mounting hardware to install the all-metal housing into 1U of space in an EIA-standard 19-inch rack.

TAA-Compliant for GSA Schedule Purchases
The PDUMNH20HVAT1 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	037332261410
PDU Type	Auto-Transfer Switch; Local Metered; Monitored
INPUT	
Input Phase	Single-Phase
PDU Input Voltage	200; 208; 220; 230; 240
Recommended Electrical Service	20A 208/240V; 16A 230V
Maximum Input Amps	20.0
Maximum Input Amps Details	Agency de-rated to 16A continuous (North America)
Input Connection Type	Primary: C20 inlet and Secondary: C20 inlet
PDU Plug Type	(2) IEC-320 C20
Input Cord Details	Set of two inputs connect to separate PRIMARY and SECONDARY power sources
Input Cord Length (ft.)	12
Input Cord Length (m)	3.66
OUTPUT	
Output Capacity Details	3.84kW (240V), 3.68kW (230V), 3.52kW (220V), 3.33kW (208V), 3.2kW (200V) / 16A total capacity; 16A max per C19 outlet; 12A (10A CE) max per C13 outlet
Frequency Compatibility	50 / 60 Hz
Output Receptacles	(8) C13; (2) C19
Output Nominal Voltage	200V; 208V; 220V; 230V; 240V
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	Digital display reports total PDU output current in amps
Front Panel LEDs	2 additional LEDs to indicate input power status for primary and secondary inputs
Switches	Toggle switch near digital display enables the setting of "HI" for 220, 230 or 240V nominal applications or "LO" for 200 or 208V applications
SURGE / NOISE SUPPRESSION	
Automatic Shut-Off	No

PHYSICAL	
Material of Construction	Metal
Rack Height	1U
Form Factors Supported	1U rackmount
Minimum Required Rack Depth (cm)	46.48
Minimum Required Rack Depth (inches)	18.3
PDU Form Factor	Horizontal (1U)
Shipping Dimensions (hwd / in.)	5.40 x 20.80 x 23.40
Shipping Weight (kg)	7.71
Unit Dimensions (hwd / in.)	1.720 x 17.330 x 14.770
Unit Dimensions (hwd / cm)	4,4 x 43,9 x 37,6
Unit Weight (lbs.)	10.30
Unit Weight (kg)	4.67
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
SNMP Compatibility	Pre-installed LX platform interface provides remote monitoring via Java-free HTML5 web interface, telnet, SSH and SNMP management systems
FEATURES & SPECIFICATIONS	
High Availability PDU Features	Auto-Transfer Switching
STANDARDS & COMPLIANCE	
Product Certifications	RETIE (Colombia); NOM (Mexico); UL 62368-1
Product Compliance	RoHS; CE (Europe); EAC (Belarus, Kazakhstan, Russia); 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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