

1.92kW 120V Single-Phase ATS/Monitored PDU - 16 5-15/20R Outlets, Dual L5-20P/5-20P Inputs, 12 ft. Cords, 1U, TAA

MODEL NUMBER: PDUMNH20AT1



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 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 PDUMNH20AT1 features 16 NEMA 5-15/20R 120V outlets for connecting equipment. Dual 12-foot (3.7-meter) power cords with NEMA L5-20P inputs (two 5-20P adapters are included) 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.

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. 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 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.

Highlights

- Built-in Java-free HTML5-based LX Platform interface allows you 24/7 remote access
- Switches from primary to secondary power source in <7 ms to maintain constant operation
- Digital ammeter for on-site real-time load monitoring helps prevent power overloads
- Dual 12 ft. cords with NEMA L5-20P inputs connect to separate power sources
- 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 PDU status and power load from connected equipment remotely
- Provide redundant power to network devices with non-redundant power supplies

Package Includes

- PDUMNH20AT1 1.92kW Single-Phase ATS/Monitored PDU
- Detachable C19 to NEMA L5-20P secondary input cord, 12 ft. (3.7 m)
- (2) L5-20R to 5-20P plug adapters
- Configuration cable
- Rack-mounting hardware
- Cable Retention Kit
- Owner's manual



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TAA-Compliant for GSA Schedule Purchases

The PDUMNH20AT1 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	037332267153
PDU Type	Auto-Transfer Switch; Monitored
INPUT	
Input Phase	Single-Phase
PDU Input Voltage	100; 120; 127
Recommended Electrical Service	20A 120V
Maximum Input Amps	16
Maximum Input Amps Details	Agency de-rated to 16A maximum
Input Connection Type	Primary: Attached L5-20P, Secondary: C20 inlet with detachable C19-to-L5-20P cordset; L5-20-to-L5-20P adapters
PDU Plug Type	(2) NEMA 5-20P; (2) NEMA L5-20P
Input Cord Details	Set of two L5-20P cordsets with two 5-20P adapters enable connection to separate PRIMARY and SECONDARY power sources
Input Cord Length (ft.)	12
Input Cord Length (m)	3.66
OUTPUT	
Output Capacity Details	2.03kW (127V), 1.92kW (120V), 1.6kW (100V) / 20A total capacity (Agency de-rated to 16A); 16A max per outlet
Frequency Compatibility	50 / 60 Hz
Output Receptacles	(16) 5-15/20R
Output Nominal Voltage	100; 120; 127
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	Digital display reports total PDU output current in amps
Front Panel LEDs	Primary and Secondary source selection status LEDs indicate which AC source is being supplied to the output of the ATS PDU
SURGE / NOISE SUPPRESSION	
Automatic Shut-Off	No
PHYSICAL	
Material of Construction	Metal
Form Factors Supported	1U rackmount



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Minimum Required Rack Depth (cm)	49.53
Minimum Required Rack Depth (inches)	19.5
PDU Form Factor	Horizontal (1U)
Shipping Dimensions (hwd / in.)	5.40 x 23.30 x 20.10
Shipping Weight (kg)	9.39
Unit Dimensions (hwd / in.)	1.750 x 17.500 x 14.500
Unit Dimensions (hwd / cm)	4.44 x 44.4 x 36.8
Unit Weight (lbs.)	12.2
Unit Weight (kg)	5.53
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
FEATURES & SPECIFICATIONS	
Grounding	Rear grounding lug
High Availability PDU Features	Auto-Transfer Switching
STANDARDS & COMPLIANCE	
Product Certifications	RETIE (Colombia); CSA (Canada); NOM (Mexico); UL 62368-1
Product Compliance	RoHS; FCC Part 15 Class A (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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