

2.9kW 120V Single-Phase ATS/Monitored PDU - 24 5-15/20R & 1 L5-30R Outlets, Dual L5-30P Inputs, 10 ft. Cords, 2U, TAA

MODEL NUMBER: PDUMNH30AT2



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

Features

Single-Phase 30A 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 PDUMNH30AT2 features 24 NEMA 5-15/20R 120V outlets and one NEMA L5-30R outlet, which distribute AC power to rack equipment. Dual 10-foot (3.1-meter) power cords with NEMA L5-30P 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 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 LED Display and Load Meter Helps Prevent Potentially Expensive Overloads

A three-digit LED display shows measured or calculated amperage, kilowatt and voltage values at a glance. 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. Monitoring current provides 1% billing grade accuracy.

Mounts into 2U of Rack Space or on a Wall

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
- Dual 10 ft. cords with NEMA L5-30P inputs connect to separate power sources
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

- PDUMNH30AT2 2.9kW Single-Phase ATS/Monitored PDU
- Configuration cable, USB-A to USB Micro-B
- Rack-mounting hardware
- (4) Cord retention brackets
- (24) Cable ties
- Owner's manual



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Use the included mounting hardware to install the all-metal housing into 2U 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. Included cord retention brackets help organize connected power cords and eliminate cable clutter.

TAA-Compliant for GSA Schedule Purchases

The PDUMNH30AT2 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	037332261427
PDU Type	Auto-Transfer Switch; Monitored
INPUT	
Input Phase	Single-Phase
PDU Input Voltage	120V
Recommended Electrical Service	30A 120V
Maximum Input Amps	30
Maximum Input Amps Details	Agency de-rated to 24A continuous
PDU Plug Type	(2) NEMA L5-30P
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)	3.05
Output Capacity Details	3.05kW (127V), 2.88kW (120V), 2.4kW (100V) / 30A total capacity (Agency de-rated 24A); 24A max per L5-30R outlet; 20A max per breakered load bank; 16A max per 5-15/20R outlet
Frequency Compatibility	50 / 60 Hz
Output Receptacles	(24) 5-15/20R; (1) L5-30R
Output Nominal Voltage	100V; 120V; 127V
Overload Protection	Two 20A output breakers protect 12 5-15/20R outlets each
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	Digital display reports output amps and kW in 4 separately metered loading segments (BANK 1: 5-20R outlets #1-12; BANK 2: 5-20R outlets #13-24; BANK 3: L5-30R outlet #25; BANK 4: Total PDU output), whole-PDU output kW load level and input voltage on primary and secondary input lines, and IP address assignment. Temperature and/or Humidity displayed with optional Environsense2 modules
Switches	ENTER and MODE switches toggle the digital display to show output amps (Banks 1-4), total kW output and input voltage (primary, secondary)
LED Indicators	2 LEDs for power status on Primary and Secondary input connection and three additional LEDs to label the displayed numeric value as Amps, kW or Voltage



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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)	42.93
Minimum Required Rack Depth (inches)	16.9
PDU Form Factor	Horizontal (2U)
Shipping Dimensions (hwd / in.)	7.70 x 16.60 x 19.90
Shipping Weight (kg)	8.16
Unit Dimensions (hwd / in.)	3.410 x 17.320 x 11.890
Unit Dimensions (hwd / cm)	8.66 x 44 x 30.2
Unit Weight (lbs.)	13.71
Unit Weight (kg)	6.22
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	
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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