3.8kW Single-Phase Monitored Automatic Transfer Switch PDU, 2 200-240V 16A L6-20P Inputs, 1 L6-20R Outlet, 1U

MODEL NUMBER: **PDUMNH20HVAT**









High-capacity 3.3/3.8kW PDU with ATS provides remote power monitoring and enables redundant power for non-redundant hardware. Digital display and Ethernet interface monitor load levels to prevent overloads that cause downtime.

Highlights

- Two single-phase L6-20P inputs with 10-ft. (3.05 m) cords
- L6-20R outlet for connecting single device or 0U vertical PDU
- Automatic transfer switching within 1-5 ms
- Built-in LX Platform Interface for remote access
- Digital display for real-time status monitoring

Package Includes

- PDUMNH20HVAT 3.3/3.8kW Single-Phase 200-240V ATS/Monitored PDU
- Mounting brackets
- Owner’s manual

Description

The PDUMNH20HVAT 3.3/3.8kW Single-Phase 200-240V Monitored 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 1U of space in EIA-standard 19-inch racks and features one L6-20R outlet—perfect for connecting a single device or a 0U 208/240V PDU with an L6-20P plug.

Dual 10-ft. (3.05 m) input cords with L6-20P plugs connect to separate primary and secondary single-phase 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.

The built-in Java-free HTML5-based LX Platform 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, including temperature and humidity conditions. Protocols supported include IPv4, IPv6, HTTP, HTTPS, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP and NTP. DHCP/Manual configuration lets you assign network settings to the card automatically, reducing the need for manual configuration. Automated alerts help prevent accidental overloads, power loss and downtime.

Features

Primary and Secondary Inputs for Power Redundancy Provides remote power monitoring and enables redundant power for network devices with non-redundant power supply configurationsDual 10-ft. (3.05 m) input cords with L6-20P plugs connect to separate primary and secondary single-phase power sourcesFault-tolerant, hot-swappable UPS protection when used with single UPS; fully redundant UPS protection when each cord is connected to separate UPS systems

Built-In L6-20R Outlet Connects a single device or indirectly powers equipment through a 0U 200-240V rack PDU (rPDU) with L6-20P input (sold separately)

Automatic Transfer Switching (ATS) 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 prevents switching if secondary source

is unavailable or of lower quality than primary source

Multifunction Digital 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 Network MonitoringLX 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 overloads, power loss and downtimeOptional EnviroSense2 modules (sold separately) provide a variety of environmental monitoring capabilities

Broad Communications Compatibility10/100 Mbps auto-sensing allows optimal communication with 10/100 Base-T networks

Mounts Horizontally in 1U of Rack Space Compatible with EIA-standard 19 in. 4-post racks and rack enclosuresOptional PDU4PKIT rail kit (sold separately) adds rear mounting support

Specifications

OVERVIEW	
UPC Code	037332187932
PDU Type	Monitored; Auto-Transfer Switch
INPUT	
Input Phase	Single-Phase
PDU Input Voltage	200; 208; 220; 230; 240
Recommended Electrical Service	Two single-phase 16/20A 200-240V circuits
Maximum Input Amps	16
Maximum Input Amps Details	Agency de-rated to 16A continuous
PDU Plug Type	(2) NEMA L6-20P
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 Details	3.8kW (240V), 3.7kW (230V), 3.5kW (220V), 3.3kW (208V), 3.2kW (200V); 16A total capacity
Frequency Compatibility	50 / 60 Hz
Output Receptacle Details	Output receptacle is on a 61cm / 24 inch cordset
Output Receptacles	(1) L6-20R
Output Nominal Voltage	200-240V
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	Digital display reports input current in amps (Source A, Source B), output kilowatts (total), input voltage (Source A, Source B), input frequency (Source A, Source B) and output power factor

Front Panel LEDs	Front panel LEDs confirm amp (A) / kilowatt (kW) / voltage (V) / frequency (Hz) and power factor (PF) reporting information; Additional set of LEDs indicate Source A and Source B inputs for preferred, available and in-use status
Switches	ENTER and MODE switches toggle the digital display to display all reported information
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	1U
Form Factors Supported	1U rackmount
Minimum Required Rack Depth (cm)	44.45
Minimum Required Rack Depth (inches)	17.5
PDU Form Factor	Horizontal (1U)
Shipping Dimensions (hwd / in.)	7.20 x 20.50 x 20.50
Shipping Dimensions (hwd / cm)	18.29 x 52.07 x 52.07
Shipping Weight (lbs.)	15.90
Shipping Weight (kg)	7.21
Unit Dimensions (hwd / in.)	1.720 x 16.930 x 14.000
Unit Dimensions (hwd / cm)	4.4 x 43 x 35.6
Unit Weight (lbs.)	15.37
Unit Weight (kg)	6.97
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-Transfer Switching
STANDARDS & COMPLIANCE	
Product Certifications	NOM (Mexico); UL 60950-1
Product Compliance	RoHS; FCC Part 15 Class A (USA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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