3.8kW Single-Phase Switched Automatic Transfer Switch PDU, Two 200-240V C20 Inlets, 8 C13 & 2 C19 Outputs, 1U, TAA

MODEL NUMBER: **PDUMH20HVATNET**







Highlights

- Single phase 16A 200-240V Auto Transfer Switch / ATS PDU
- Enables redundant A/B power option for non-redundant network devices
- Built-in LX Platform Network Interface
- 1U horizontal rackmount; 10 outlets (8 C13 switched / 2 C19 unswitched)
- Individually switched outlets, network interface and 2 digit visual current meter
- TAA Compliant

Package Includes

- Switch, Metered PDU with ATS Support
- Set of 2 C19 to C20 12 ft. / 3.7m power cables
- Plug-lock cable retention sleeves
- User manual with warranty information

Description

This Switched Automatic Transfer Switch / ATS PDU provides a redundant power option for single-corded network devices. Dual input cords support separate connection to primary and secondary power sources. The ATS will normally maintain continuous output to all outlets as derived from the primary input cable. If the primary power source becomes unstable or fails altogether, the ATS will switch over to the secondary power source until the primary input is restored and stable. Switched PDU features include individually controllable output receptacles and built-in network interface. Super-fast switchover between primary and secondary power sources occurs within milliseconds. ATS functionality is supported by any two compatible AC power sources, regardless of phase angle, to support a variety of advanced redundant power networking applications. Enables fault tolerant hot-swappable UPS protection when used with a single UPS and fully redundant UPS protection when each cord is connected to a separate UPS system. In a two-UPS environment, the primary input cable must be supported by a full time sine wave UPS with zero transfer time. SmartOnline® series is highly recommended for use as the primary UPS in a two-UPS application. ATS configurations utilizing separate mains circuits, backup generators and even separate utility power grid feeds are fully supported. On-board ATS processor constantly evaluates power quality on both input sources to prevent transfer to the secondary source when unavailable or of lower quality than the primary source. Front input LED's display primary or secondary power availability. The Java-free LX Platform HTML5-based 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. Protocols supported include HTTP, HTTPS, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP and NTP.

Features

- 200-240V 20A Automatic Transfer Switch (ATS) / Switched rack PDU (rPDU) (Agency de-rated to 16A continuous)
- Enables redundant A/B power option for single-corded network devices
- 2 digit display reports power consumption in amps
- 1U horizontal rackmount form factor
- 10 outlets (8 C13 switched / 2 C19 unswitched)
- Set of Plug-lock output power cable retention sleeves prevent accidental disconnection of connected devices
- Two C20 inlets for separate Primary and Secondary inputs; two 12 ft / 3.7m C20 input cables included

- ATS circuits normally maintain output sourced from the primary input cable; As primary input power fails, the ATS will switch to maintain output sourced from the secondary input cable until power on the primary input is restored and stable
- ATS configurations enable hot-swappable UPS protection when used with a single UPS and redundant UPS protection when each cord is connected to a separate UPS system (in a two-UPS environment, the primary input cable must be supported by an online UPS with zero transfer time)
- Advanced ATS configurations utilizing separate mains circuits, backup generators and separate out of phase utility power grid feeds are supported
- On-board ATS processor constantly evaluates power quality on both inputs to prevent transfer to the secondary source when unavailable or of lower quality than the primary source
- 2-7 millisecond transfer time
- Switched outlets and ethernet interface supports individual outlet control on a real-time or programmable basis and user-specified alarm notification thresholds for all reported site power conditions
- LX Platform interface allows full remote access for power monitoring with email notifications via secure web browser, SNMP, telnet or SSH
- Optional EnviroSense2 modules (sold separately) provide a variety of environmental monitoring capabilities
- Outlets are factory programmed for sequential turn-on at 250 millisecond intervals when the PDU is first energized
- LEDs confirm power availability on both input lines and for each output receptacle
- Federal Trade Agreements Act / TAA Compliant for GSA Schedule purchases

Specifications

OVERVIEW	
UPC Code	037332151506
PDU Type	Auto-Transfer Switch; Switched
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
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	200-240V
Customized Load Management Receptacles	8 individually switched C13 output receptacles
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	Digital display reports total PDU output current in amps
Front Panel LEDs	8 LEDs display power on-off status for each C13 output receptacle, plus 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 Dimensions (hwd / cm)	13.72 x 52.83 x 59.44
Shipping Weight (lbs.)	17.00
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
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	Pre-installed LX platform interface provides remote monitoring via Java-free HTML5 web interface, telnet, SSH and SNMP management systems
Network Compatibility	10 Mbps; 100 Mbps (Fast Ethernet)
FEATURES & SPECIFICATIONS	
Grounding	Rear grounding lug
High Availability PDU Features	Auto Probe Monitoring and Reboot (included); Auto-Transfer Switching; Auto Load Shedding
STANDARDS & COMPLIANCE	
Product Certifications	CAN/CSA-C22.2 No. 60950-1 (Canada); NOM (Mexico); UL 60950-1
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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