1.9kW Single-Phase Local Metered Automatic Transfer Switch PDU, 2 120V L5-20P / 5-20P Inputs, 16 5-15/20R Outputs, 1U, TAA

MODEL NUMBER: **PDUMH20AT**





Highlights

- Single phase 16A 120V Auto Transfer Switch / ATS PDU
- Enables redundant A/B power option for single-corded network devices
- Separate primary and secondary inputs connect to any two compatible power sources
- 1U horizontal rackmount; 2 NEMA L5-20P / 5-20P inputs; 16 5-15/20R outlets
- Two digit visual current meter reports equipment load in amps; Upgrade options available
- TAA Compliant

Package Includes

- ATS / Local Metered PDU with attached L5-20P primary input cord
- Detachable C19 to NEMA L5-20P secondary input cord
- Set of two L5-20R to 5-20P plug adapters
- 1U rackmount installation brackets
- User manual with warranty information

Description

This Local Metered 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. 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. The 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 LEDs display primary or secondary power availability.

Features

- 120V 20A Automatic Transfer Switch (ATS) / Local Metered rack PDU (rPDU) (Agency de-rated to 16A continuous)
- Provides a redundant A/B power option for non-redundant networking equipment with a single input power cord
- Digital display continuously reports total output power consumption in amps
- 1U horizontal rack-mount form factor; 14.5 in. / 36.8 cm depth
- 16 built-in NEMA 5-15/20R outlets (8 front / 8 rear)
- Set of two 12 ft. / 3.6m NEMA L5-20P input cables with set of two 5-20P adapters support connection to separate PRIMARY and SECONDARY inputs
- ATS circuits normally maintain output sourced from the primary input cable; As primary input power fails or becomes unstable, 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 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 an online UPS with zero transfer time similar to SmartOnline series)

- Advanced ATS configurations utilizing separate mains circuits, backup generators and even separate out of phase utility power grid feeds are fully 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
- Super-fast switchover between primary and secondary power sources occurs in 2-7 milliseconds
- Built-in card slot supports optional SNMPWEBCARD or WEBCARDLX for permanent upgrade to a switched & monitored PDU system
- Outlets are factory programmed for sequential turn-on at 250 millisecond intervals when the PDU is first energized to prevent inrush-related equipment interaction on startup
- Front panel LEDs confirm power availability on both input lines
- Compliant with the Federal Trade Agreements Act(TAA) for GSA Schedule purchases

Specifications

OVERVIEW	
UPC Code	037332126665
PDU Type	Auto-Transfer Switch; Local Metered
INPUT	
Input Phase	Single-Phase
PDU Input Voltage	120
Recommended Electrical Service	Two single-phase 20A 120V circuits
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	1.92kW (120V) / 16A total capacity; 16A max per outlet
Frequency Compatibility	50 / 60 Hz
Output Receptacles	(16) 5-15/20R
Output Nominal Voltage	120V
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	Digital display reports total PDU output current in amps
Front Panel LEDs	16 front panel LEDs display power on / off status for each outlet, plus 2 additional LEDs to indicate input power status for primary and secondary inputs

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)	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 Dimensions (hwd / cm)	13.72 x 59.18 x 51.05
Shipping Weight (lbs.)	20.70
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	
Network Management Cards	SNMPWEBCARD; WEBCARDLX; WEBCARDLXE
SNMP Compatibility	Includes slot for optional SNMPWEBCARD or WEBCARDLX accessory to add built-in network interface and enable remote individual outlet control over IP
FEATURES & SPECIFICATIONS	
Grounding	Rear grounding lug
High Availability PDU Features	Auto-Transfer Switching
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); NOM (Mexico); UL 60950-1
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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