

1.9kW Single-Phase ATS / Metered PDU, 120V (16 5-15/20R), 2 L5-20P / 5-20P adapters, 2 12ft Cords, 1U Rack-Mount

MODEL NUMBER: PDUMH20AT



Description

Tripp Lite Metered ATS / Auto Transfer Switch 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. Tripp Lite 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.

Features

- 120V 20A Automatic Transfer Switch (ATS) / Metered PDU (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 rackmount 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

Highlights

- Single phase 20A 120V Auto Transfer Switch / ATS PDU
- Enables redundant A/B power option for single-corded network devices
- Separate primary & 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

Applications

- Auto-Transfer Switch / Metered PDU is ideal for providing redundant A/B power to single-corded network equipment

Package Includes

- ATS / 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



- 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 Tripp Lite 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 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
- TAA Compliant Version Available - Order Tripp Lite PDUMH20ATAA

Specifications

OVERVIEW	
Style	Rackmount
PDU Type	Auto-Transfer Switch; Metered
OUTPUT	
Output Capacity Details	1.92kW (120V), 2.03kW (127V), 1.6kW (100V); 20A maximum (Agency de-rated to 16A continuous)
Frequency Compatibility	60 Hz
Output Receptacles	(16) 5-15/20R
Output Nominal Voltage	100-127V nominal, single phase
Overload Protection	n/a
Outlet Type	NEMA 5-15R, NEMA 5-20R
INPUT	
PDU Input Voltage	100; 120; 127
Recommended Electrical Service	20A 120V
Maximum Input Amps	20
Maximum Input Amps Details	Agency de-rated to 16A maximum
PDU Plug Type	NEMA 5-20P; NEMA L5-20P
Input Cord Length (ft.)	12
Input Cord Length (m)	3.6
Input Cord Length Details	Both input cables terminate to a L5-20P locking plug on the input side; Includes two NEMA 5-20P plug adapters
Input Phase	Single-Phase



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
Switches	n/a
PHYSICAL	
Shipping Dimensions (hwd / in.)	6.25 x 22.5 x 23.5
Shipping Dimensions (hwd / cm)	15.9 x 57.2 x 59.7
Shipping Weight (lbs.)	16.4
Shipping Weight (kg)	7.4
Unit Dimensions (hwd / in.)	1.75 x 17.5 x 14.5
Unit Dimensions (hwd / cm)	4.44 x 44.4 x 36.8
Unit Weight (lbs.)	12.2
Unit Weight (kg)	5.5
Material of Construction	Metal
Form Factors Supported	1U rackmount
PDU Form Factor	Horizontal (1U, 2U, etc)
ENVIRONMENTAL	
Storage Temperature Range	5 to 122F (-15 to 50C)
Relative Humidity	5 to 95% non-condensing
Operating Elevation (ft.)	0-10,000
Operating Elevation (m)	0-3000
COMMUNICATIONS	
SNMP Compatibility	Includes slot for optional SNMPWEBCARD accessory to add built-in network interface and enable remote individual outlet control over IP
SPECIAL FEATURES	
TVSS Grounding	Rear grounding lug
CERTIFICATIONS	
TAA Compliant Option	TAA Compliant Version Available - Order Tripp Lite PDUMH20ATAA
Certifications	Tested to UL 60950-1 (USA), CSA (Canada), Class A (Emissions), NOM (Mexico), RoHS Complaint
WARRANTY	



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Product Warranty Period (Worldwide)	2-year limited warranty
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