Single-Phase Auto Transfer Switch / Switched PDU 1.9kW 20A 120V, 1U Horizontal Rackmount, 16 5-15/20R outlets, 2 L5-20P / 5-20P inputs

MODEL NUMBER: **PDUMH20ATNET**

Highlights

- Single phase 20A 120V Auto Transfer Switch / ATS PDU
- Enables redundant-power option for single-corded network devices
- Separate primary & secondary inputs connect to any two compatible power sources
- 1U horizontal rackmount; 2 L5-20P / 5-20P inputs; 16 5-15/20R outlets
- Individually switched outlets, network interface and 2 digit visual current meter

Applications

- ATS PDU systems provide a redundant power option with individual outlet control for single-corded network devices

Package Includes

- PDU with attached L5-20P input power cord
- Detachable C19 to NEMA L5-20P 12 ft/3.6m secondary input cord
- Two NEMA L5-20R to NEMA 5-20P plug adapters
- Installable 1U mounting brackets
- User manual with warranty information

Description

Tripp Lite Switched 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. 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. 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 Power Distribution Unit (PDU) with Auto-Transfer Switch (ATS) and Switched outlets (Agency de-rated to 16A)
- ATS features provide redundant power for critical network equipment with a single input power cord
- Switched PDU features enable programmable or real-time control of individual outlets via built-in network interface
- Visual meter reports output power consumption in amps
- 16 switched NEMA 5-15/20R outlets; 1U horizontal rackmount form factor; 14.5 in. / 36.8 cm depth
- Two NEMA L5-20P inputs (includes two 5-20P adapters) connect to separate PRIMARY and SECONDARY inputs
- ATS normally maintains output sourced from the primary input; As primary input power fails or becomes unstable, the ATS will switch to power equipment

from the secondary input 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 input is connected to a separate UPS system (in a two-UPS environment, the primary input cable must be supported by an online UPS similar to Tripp Lite SmartOnline)
- Advanced ATS configurations using separate mains circuits, backup generators and out of phase utility feeds are fully supported
- On-board processor 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 between primary and secondary inputs
- DHCP/Manual configuration support; Supports HTTP, HTTPS, PowerAlert Network Management System, SMTP, SNMPv1, SNMPv2, Telnet, SSH, FTP, DHCP, BOOTP, NTP protocols
- Compatible with optional ENVIROSENSE temperature monitor
- Outlets are factory programmed for sequential turn-on at 250 millisecond intervals as the PDU is first energized
- Front panel LEDs confirm power availability on primary / secondary inputs and each output receptacle
- TAA Compliant Version Available - Order Tripp Lite PDUMH20ATNETAA

Specifications

SELECTOR	
Selector Type	PDU'S

General Info	
Product Group	PDUS

SELECTOR	
Digital Load Meter	Yes
Redundant Power Cords	Yes
SNMP Compatible	Yes

General Info	
TAA Compliant	No

OVERVIEW	
Style	Rackmount
PDU Type	Auto-Transfer Switch; Switched

OUTPUT	
Output Capacity Details	1.9kW (120V input), 2.0kW (127V input), 1.6kW (100V input); 20A maximum (Agency de-rated to 16A continuous)
Frequency Compatibility	60 Hz
Output (VA)	2400
Output Nominal Voltage	100-127V nominal, single phase

Outlet Quantity / Type	16 NEMA 5-15/20R
Number of Outlets	16
Outlet Type	NEMA 5-15R, NEMA 5-20R
Customized Load Management Receptacles	16 individually controlled load management receptacles
Individual Outlet Switching	Yes

INPUT	
PDU Input Voltage	100; 120; 127
Maximum Input Amps	20
Maximum Input Amps Details	Agency de-rated to 16A continuous
PDU Plug Type	NEMA 5-20P; NEMA L5-20P
Input Cord Length Details	Both input cables are 12 ft / 3.6m - the cables each terminate to a L5-20P locking plug on the input side. Two included 6 inch plug adapters convert the locking plugs to NEMA 5-20P plugs
Input Phase	Single-Phase

LEDS ALARMS & SWITCHES	
Front Panel LEDs	16 front panel LEDs display power on - off status for each outlet, plus 2 LEDs for power status on each input line cord. Digital current meter display shows the amount of power consumption in amps for entire output of PDU.

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	Steel
Form Factors Supported	1U rackmount
PDU Form Factor	Horizontal (1U, 2U, etc)

ENVIRONMENTAL	
Relative Humidity	Up to 95% (non-condensing)

COMMUNICATIONS	

SNMP Compatibility	Yes, via pre-installled SNMPWEBCARD . Provides remote monitoring, outlet control, and automatic power management configurations.
CERTIFICATIONS	
TAA Compliant Option	TAA Compliant Version Available - Order Tripp Lite PDUMH20ATNETAA
Certifications	Tested to UL 60950 (USA, Canada), Class A (Emissions), NOM (Mexico), RoHS Complaint
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty