Management Interface

The management interface for this PDU model is transitioning to a new technology platform. The new interface can be distinguished by a USB-A port (for EnviroSense2 modules) in place of the round ENVIROSENSE port. For managing the units containing the round port, Tripp Lite recommends using the PowerAlert Console Launcher rather than a web browser. This application enables local access of the PDU using a self-contained, compatible Java Runtime Environment version. The Console Launcher can be downloaded for free; click the above link or go to the Management Solutions / Utilities page. Units with the new interface work will with most current web browsers.

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

MODEL NUMBER: **PDUMH20ATNET**

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 L5-20P / 5-20P inputs; 16 5-15/20R outlets
- Individually switched outlets and Built-in network interface for remote control and monitoring; Two digit visual current meter
- TAA Compliant

Package Includes

- ATS / Switched 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)
- Provides a redundant A/B power option for non-redundant networking equipment with a single input power cord

- Switched PDU features enable programmable or real-time power control of individual outlets via built-in network interface
- Digital display continuously reports total output power consumption in amps
- 16 switched NEMA 5-15/20R outlets
- 1U horizontal rackmount form factor; 14.5 in. / 36.8 cm depth
- 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 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
- DHCP/Manual configuration support; Supports HTTP, HTTPS, PowerAlert Network Management System, SMTP, SNMPv1, SNMPv2, SNMPv3, 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 both input lines
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Specifications

OVERVIEW	
PDU Type	Auto-Transfer Switch; Switched

OUTPUT	
Output Capacity Details	2.03kW (127V), 1.92kW (120V), 1.6kW (100V) / 20A total capacity (Agency de-rated to 16A); 16A max per outlet
Frequency Compatibility	60 Hz
Output Receptacles	(16) 5-15/20R
Output Nominal Voltage	100; 120; 127
Overload Protection	n/a
Customized Load Management Receptacles	16 individually switched output receptacles

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 continuous

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
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 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.
Switches	n/a
PHYSICAL	
Minimum Required Rack Depth (inches)	19.5
Minimum Required Rack Depth (cm)	49.53
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)	5.53
Material of Construction	Metal
Form Factors Supported	1U rackmount
PDU Form Factor	1U; Horizontal
Minimum Required Rack Depth (mm)	495
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 (msnm)	0-3000
COMMUNICATIONS	
SNMP Compatibility	Yes, pre-installed SNMPWEBCARD provides remote monitoring via network interface

SPECIAL FEATURES	
TVSS Grounding	Rear grounding lug

CERTIFICATIONS	
Certifications	Tested to UL 60950-1 (USA), CSA (Canada), Class A (Emissions), NOM (Mexico), RoHS compliant, TAA Compliant

WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty