

Management Interface

The management interface for this PDU model has transitioned 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 with most current web browsers.

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

MODEL NUMBER: PDUMH20ATNET



Description

Tripp Lite 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. Built-in LX Platform network management interface card. 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. 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

- 20A 120V Power Distribution Unit (PDU) with LX Platform network interface, Auto-Transfer Switch

Highlights

- 1.9kW 120V ATS / Switched PDU, Single phase 20A 120V
- 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
- Switched outlets, Built-in LX Platform network interface; Two digit visual current meter
- Temperature, humidity and contact closure monitoring options
- TAA Compliant
- To enable the Auto Probe feature, this product requires LX firmware update 15.5.2 or later to be installed

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



(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
- LX Platform interface allows full remote access for power monitoring with email notifications via secure web browser, SNMP, telnet or SSH DHCP/Manual configuration support
- 10/100 Mbps auto-sensing
- Real-time clock backup maintains the time of day and date even if the PDU is unpowered
- Alert notifications via email or SNMP traps offer immediate event notification
- Firmware upgrade ability supports future product enhancements
- Auto Probe feature (Firmware 15.5.2 and greater) checks the connectivity status of any networked device and automatically takes one or more user-configured actions if the device fails to respond; actions include outlet reboot, set SNMP traps, SNMP OID sets, and even script execution when used in conjunction with the Tripp Lite PowerAlert Network Shutdown Agent (PANSA)
- Optional EnviroSense2 modules (sold separately) provide a variety of environmental monitoring capabilities
- 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



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Specifications

OVERVIEW	
UPC Code	037332136411
PDU Type	Auto-Transfer Switch; Switched
INPUT	
PDU Input Voltage	100; 120; 127
Recommended Electrical Service	20A 120V
Maximum Input Amps	20.0
Maximum Input Amps Details	Agency de-rated to 16A continuous
PDU Plug Type	(2) NEMA 5-20P; (2) NEMA L5-20P
Input Phase	Single-Phase
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	2.03kW (127V), 1.92kW (120V), 1.6kW (100V) / 20A total capacity (Agency de-rated to 16A); 16A max per outlet
Frequency Compatibility	50 / 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
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. Pre-installed WEBCARDLX provides Ethernet Link and Status LED's for network activity along with a system status LED for monitoring system operation.
Switches	Recessed reset button for rebooting SNMP management card without affecting AC output to connected equipment
PHYSICAL	
Form Factors Supported	1U rackmount
Material of Construction	Metal
Minimum Required Rack Depth (cm)	49.53



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Minimum Required Rack Depth (inches)	19.5
PDU Form Factor	Horizontal (1U)
Shipping Dimensions (hwd / cm)	13.72 x 52.58 x 58.17
Shipping Dimensions (hwd / in.)	5.40 x 20.70 x 22.90
Shipping Weight (kg)	9.07
Shipping Weight (lbs.)	20.00
Unit Dimensions (hwd / cm)	4.44 x 44.4 x 36.8
Unit Dimensions (hwd / in.)	1.75 x 17.5 x 14.5
Unit Weight (kg)	5.53
Unit Weight (lbs.)	12.20
ENVIRONMENTAL	
Storage Temperature Range	-30°C to +50°C (-22°F to +122°F)
Relative Humidity	5 to 95% non-condensing
Operating Elevation (ft.)	0-10,000
Operating Elevation (m)	0-3000
COMMUNICATIONS	
SNMP Compatibility	Pre-installed LX platform interface provides remote monitoring via Java-free HTML5 web interface, telnet, SSH and SNMP management systems
SPECIAL FEATURES	
TVSS Grounding	Rear grounding lug
High Availability PDU Features	Auto Probe Monitoring and Reboot (included)
STANDARDS & COMPLIANCE	
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

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