

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



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

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



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 (m) | 0-3000 |
| COMMUNICATIONS | |
| SNMP Compatibility | Yes, pre-installed <u>SNMPWEBCARD</u> 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 |

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