Tripp Lite
1111 West 35th Street
Chicago, IL 60609 USA
Telephone: +(773) 869 1234
E-mail: saleshelp@tripplite.com

Model #: PDUMH20HVATNET

Single-Phase ATS / Switched PDU, 16/20A 200-240V, 1U Horizontal Rackmount, 8 C13 and 2 C19 outlets, 2 C20 inputs

Highlights

- Single phase 16/20A 200-240V Auto Transfer Switch / ATS PDU
- Enables redundant power options for single-corded network devices
- Separate primary & secondary inputs connect to any two compatible power sources
- 1U horizontal rackmount; 10 outlets (8 C13 switched / 2 C19 unswitched)
- Individually switched outlets, network interface and 2 digit visual current meter

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.

Applications

- Ideal for configurations requiring a simple PDU that displays power consumption in amps
- Optional-use ATS function makes this system ideal for adding redundancy to single corded devices
- ATS function adds hot-swap and maintenance bypass function to standard UPS configurations

Package Includes

- Switch, Metered PDU with ATS Support
- Set of 2 C19 to C20 12 ft. / 3.7m power cables
- User manual with warranty information

Features

- 200-240V 16/20A Automatic Transfer Switch (ATS) / Switched PDU (Agency de-rated to 16A continuous)
- Provides a redundant power option for critical networking equipment with a single input power cord
- 2 digit display reports power consumption in amps
- 1U horizontal rackmount form factor
- 10 outlets (8 C13 switched / 2 C19 unswitched)
- Two C20 inlets for separate Primary and Secondary inputs; two 12 ft / 3.7m C20 input cables included
- ATS circuits normally maintain output sourced from the primary input cable; As primary input power fails, 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 hot-swappable UPS protection when used with a single UPS and 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)

- Advanced ATS configurations utilizing separate mains circuits, backup generators and separate out of phase utility power grid feeds are 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
- 2-7 millisecond transfer time
- Switched outlets and ethernet interface supports individual outlet control on a real-time or programmable basis and user-specified alarm notification thresholds for all reported site power conditions
- DHCP/Manual configuration support
- Supports HTTP, HTTPS, PowerAlert Network Management System, SMTP, SNMPv1, SNMPv2, Telnet, SSH, FTP, DHCP, BOOTP, NTP protocols
- Outlets are factory programmed for sequential turn-on at 250 millisecond intervals when the PDU is first energized
- LEDs confirm power availability on both input lines and for each output receptacle

Specifications

OVERVIEW	
PDU Type	Auto-Transfer Switch; Switched
OUTPUT	
Frequency compatibility	50 / 60 Hz
Output nominal voltage	200V, 208V, 220V, 230V, 240V
Outlet quantity / type	8 IEC-C13 (switched), 2 IEC-C19 (unswitched)
Outlet Type	IEC-C13, IEC-C19
Customized load management receptacles	8 individually controlled C13 load management receptacles
INPUT	
PDU Input Voltage	200; 208; 230; 240
Maximum Input Amps (A)	20
Maximum Input Amps (A) Details	20A maximum (Agency de-rated to 16A continuous)
Input connection type	Two labelled C20 inlets support Primary and Secondary input connections - two 12 ft. / 3.7m C19 to C20 power cables included
PDU Plug Type	IEC-320 C20
Phase	Single-Phase
LEDS ALARMS & SWITCHES	
Switches	Toggle switch near digital display enables the setting of "HI" for 220, 230 or 240V nominal applications or "LO" for 200 or 208V applications
Front panel LEDs	8 front panel LEDs display power on - off status for each C13 outlet, plus 2 LEDs for power status on Primary and Secondary input connection. Digital current meter display shows the amount of power consumption in amps for entire PDU output.
PHYSICAL	
Shipping Dimensions (HWD/in)	5.3 x 23.6 x 21

Shipping Dimensions (HWD/cm)	13.5 x 59.9 x 53.3
Shipping weight (lbs)	19.98
Shipping weight (kg)	9.1
Unit Dimensions (HWD/in)	1.72 (1U) x 17.3 x 14.8
Unit Dimensions (HWD/cm)	4.4 x 43.9 x 37.6
Unit weight (lbs)	10.3
Unit weight (kg)	4.7
Material of construction	Steel
Style	Rackmount
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.
SPECIAL FEATURES	
Appearance	Black 1U rackmount steel chassis
CERTIFICATIONS	
Certifications	Tested to UL 60950 (USA, Canada), CE (Europe), Class A (Emissions), NOM (Mexico), RoHS Complaint
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

Related Items

Optional Products

Related Model	Description	Qty.
WEXT3-PDU-ATNET	3-Year Extended Warranty - For Switched PDUs ending with ATNET	1
WEXT5-PDU-ATNET	5-Year Extended Warranty - For Switched PDUs ending with ATNET	1
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires UPS with SNMPWEBCARD, monitored PDU or switched PDU.)	1
SRSWITCH	Magnetic Door Switch Kit for front and rear doors; requires ENVIROSENSE	1
P004-002-13LA	AC Power Extension Cable - C13 Left Angle to C14 - 2'	1
P004-002-13RA	AC Power Extension Cable - C13 Right Angle to C14 - 2 ft.	1
P036-002-20LA	2-ft. 12AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C20 Left Angle)	1

P036-002-20RA	2-ft. 12AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C20 Right Angle)	1
P005-12N	1-ft. (12 in.) Heavy-Duty 14AWG Power Cord (IEC-320-C13 to IEC-320-C14)	1
P005-18N	1.5-ft. (18 in.) Heavy-Duty 14AWG Power Cord (IEC-320-C13 to IEC-320-C14)	1
P005-002	2-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to IEC-320-C14)	1
P004-002-5	5-Pack of 2-ft. 18AWG Power cord (IEC-320-C14 to IEC-320-C13)	1
P004-004	4-ft. 18AWG Power cord (IEC-320-C14 to IEC-320-C13)	1
P004-004-BL	4-ft. 18 AWG Power Cord (IEC-320-C14 to IEC-320-C13) with Blue Connectors	1
P004-004-GN	4-ft. 18 AWG Power Cord (IEC-320-C14 to IEC-320-C13) with Green Connectors	1
P004-004-RD	4-ft. 18 AWG Power Cord (IEC-320-C14 to IEC-320-C13) with Red Connectors	1
P004-004-YW	4-ft. 18 AWG Power Cord (IEC-320-C14 to IEC-320-C13) with Yellow Connectors	1
P004-006	6-ft. 18AWG Power cord (IEC-320-C14 to IEC-320-C13)	1
P004-006-2C13	6-ft. AC Power Extension Splitter Cable (C14 to 2 x C13)	1
P005-006	6-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to IEC-320-C14)	1
P005-006-BL	6-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to IEC-320-C14) Blue Connectors	1
P005-006-GN	6-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to IEC-320-C14) Green Connectors	1
P005-006-RD	6-ft. Heavy-Duty 14AWG Power Cord (IEC-320-C13 to IEC-320-C14) with Red Connectors	1
P005-006-YW	6-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to IEC-320-C14) Yellow Connectors	1
P004-010	10-ft. 18AWG Power cord (IEC-320-C14 to IEC-320-C13)	1
P005-010	10-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to IEC-320-C14)	1
P047-002	2-ft. 14AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C14)	1
P047-004	4-ft. 14AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C14)	1
P047-006	6-ft. 14AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C14)	1
P047-010	10-ft. 14AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C14)	1
P036-002	2-ft. 12AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C20)	1
P036-006	6-ft. 12AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C20)	1
P036-006-2C19	6-ft. AC Power Splitter Cable (C20 to 2 x C19)	1
P040-010	10 ft. 12AWG Heavy Duty Power Cord (IEC-320-C19 to NEMA L6-20P)	1
P050-008	8-ft. Power cord (IEC-320-C19 to CEE 7/7 SCHUKO)	1
P052-008	8-ft. Power cord (IEC-320-C19 to BS1363 UK Plug)	1
P070-010	10-ft. IEC309 to C19 Power Cord	1
P040-006	6 ft. 12AWG Heavy Duty Power Cord (IEC-320-C19 to NEMA L6-20P)	1
P040-014	14 ft. 12AWG Heavy Duty Power Cord (IEC-320-C19 to NEMA L6-20P)	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?variables.txtModelID=4500.