



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

Model #: PDUMH20HVATNET

PDU / Power Distribution Unit with dual-input Auto Transfer Switching, individual outlet control and SNMP network interface

Highlights

- 1U rackmount switched PDU with current monitoring and auto-transfer switch
- 200-240V 16A capacity with 8 C13 switched and 2 C19 unswitched outlets offers worldwide electrical compatibility
- Integrated Automatic Transfer Switch (ATS) allows PDU to operate from secondary input source when primary input fails with no disruption of connected equipment
- Two included 12 ft. / 3.7m C19 to C20 cables
- Supports 2-5 ms. transfer between included primary and secondary C20 cabling inputs, even with out of phase power sources
- Sequential outlet power-on of C13 outlets prevents inrush-related equipment interaction on startup
- Programmable or real-time monitoring and outlet power control via secure web/network interface



Description

Tripp Lite's 200-240V 16A Switched, Metered PDU system with Automatic Transfer Switching (ATS) offers 8 switched C13 outlets and 2 unswitched C19 outlets, plus a digital display to indicate total connected equipment power consumption level in amps. Switched outlets are factory programmed for sequential turn-on at 250 millisecond intervals when the PDU is first energized to prevent inrush-related equipment interaction on startup. Built-in web/network monitoring card enables remote power monitoring and programmable or real-time outlet control. Remote interface displays status of input power, load capacity and outlet power status via secure network or web browser interface. Offers individual outlet control to power on, off, or cycle AC output to regain control of locked-up servers and other network devices. Programmable load ramping and shedding enables user-configurable startup and shutdown sequences, including UPS load management to automatically increase runtime for the most critical connected items by shutting down less critical items at user-determined intervals. Supports notification and logging of input power status, event notification, output power and output loading conditions. Supports 1U rackmount installation in a 2 or 4 post racks.

Integrated ATS / Auto-Transfer Switch provides a redundant power option for networking and server applications with non-redundant internal power supplies. When both the PRIMARY and SECONDARY C20 inlets are connected to two separate building circuits, UPS systems or other power sources, the PDU automatically will provide ATS protection to connected loads. In ATS mode, the PDU will normally maintain continuous output to all outlets as derived from the primary C20 input cable. If the primary power source becomes unstable or fails altogether in relation to the secondary, the ATS will switch over to the secondary power source until the primary input is restored and stable. ATS functionality with 2-5 millisecond transfer time is supported by any two compatible 200-240V AC power sources, regardless of phase angle, to offer support for a variety of unique redundant power 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 online UPS. 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 LEDs display primary and 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 16A Switched, Metered PDU system with Automatic Transfer Switch (ATS) option
- Two C20 inlets support connection to Primary and optional Secondary power sources
- Includes 2 C19 to C20 12 ft. / 3.7m power cables
- Front panel digital ammeter displays power consumption in amps
- Web/Network monitoring card enables remote power monitoring and control of power to each switchable C13 outlet
- 8 built-in C13 switched outlets and 2 unswitched C19 outlets
- ATS function enables setup for hot-swappable UPS maintenance bypass, dual UPS protection or dual AC input redundancy for critical single-corded network hardware (ATS function requires the use of a full time sine wave online UPS on the Primary input, like Tripp Lite's SmartOnline series)
- ATS functionality with 2-5 millisecond transfer time is supported by any two 200-240V AC power sources, regardless of phase angle, to offer support for a variety of unique redundant power applications
- Small 1U rackmount format installs in only one rack space with a maximum installed depth of 14.8 inches
- Also supports 0U vertical mounting in the cable management area of many rack enclosures
- Individually controlled outlets provide load management power control to networked equipment
- Sequential outlet turn on eliminates power up in-rush of connected devices on initial start-up

Specifications

OVERVIEW	
Model Type	Switched; ATS/Auto Transfer Switches
SYSTEM OVERVIEW	
Voltage compatibility (VAC)	200-240
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)
Customized load management receptacles	8 individually controlled C13 load management receptacles
INPUT	
Recommended Electrical Service	200-240V
Maximum Input Amps (A)	20
Input connection type	Two labelled C20 inlets support Primary and Secondary input connections - two 12 ft. / 3.7m C19 to C20 power cables included
Plug Type	IEC-320-C20

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 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
Shipping Dimensions (HWD/in)	5.3 x 23.6 x 21
Shipping Dimensions (HWD/cm)	13.5 x 59.9 x 53.3
Unit weight (lbs)	10.3
Unit weight (kg)	4.7
Material of construction	Steel
Style	Rackmount
Form factors supported	1U rackmount

ENVIRONMENTAL

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

COMMUNICATIONS

SNMP compatibility	Yes, via pre-installed 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 Compliant
-----------------------	--

WARRANTY

Product Warranty Period (U.S., Canada & Puerto Rico)	2 years
---	---------

Related Items**Optional Products**

Product Type	Related Model	Description	Qty.
Power Cables	P052-008	8-ft. Power cord (IEC-320-C19 to BS1363 UK Plug)	-

Power Cables	P050-008	8-ft. Power cord (IEC-320-C19 to CEE 7/7 SCHUKO)	-
Power Cables	P047-002	2-ft. 14AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C14)	-
Power Cables	P047-004	4-ft. 14AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C14)	-
Power Cables	P047-006	6-ft. 14AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C14)	-
Power Cables	P047-010	10-ft. 14AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C14)	-
Power Cables	P036-002	2-ft. 12AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C20)	-
Power Cables	P036-006	6-ft. 12AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C20)	-
Power Cables	P040-010	10-ft. 12AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-L6-20P)	-
Power Cables	P032-007	7-ft. 12AWG Heavy Duty Power cord (IEC-320- C13 to IEC-320-C20)	-
Power Cables	P005-002	2-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to IEC-320-C14)	-
Power Cables	P005-006	6-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to IEC-320-C14)	-
Power Cables	P005-010	10-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to IEC-320-C14)	-

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

Copyright © 2010 Tripp Lite. All rights reserved. All trademarks are the sole property of their respective owners. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Photos may differ slightly from final products.