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Model #: PDUMH15AT

Metered PDU with ATS - Power Distribution Unit with dual-input Auto Transfer Switching

Highlights

- 1U rackmount PDU with digital current monitoring display
- 15A 120V capacity with 8 NEMA 5-15R outlets and 5-15P input connections
- Optional Auto Transfer Switch (ATS) supports a variety of advanced fault-tolerant and redundant networking applications
- Supports 2-7 ms. transfer between included primary and secondary line cords, even with out of phase power sources



Description

Tripp Lite's 120V 15A metered PDU system with Automatic Transfer Switching (ATS) is an 8 outlet PDU with a digital display to indicate total PDU power consumption in amps. 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. Supports 1U rackmount installation in a 2 or 4 post rack. Included are 8 NEMA 5-15R outlets, and two 12 ft. 5-15P input power cord. Built-in card slot supports optional SNMPWEBCARD for permanent upgrade to a switched & monitored PDU system. SNMPWEBCARD can also be temporarily installed, prior to deployment, to custom program PDU power-on and power-off outlet sequences with user-specified time delays in response to loss and restoration of primary input power.

Optional integrated ATS / Auto-Transfer Switch provides a redundant power option for networking and server applications with non-redundant internal power supplies. In ATS mode, the attached power cord serves as the PRIMARY input and the included detachable cable serves as the SECONDARY input to the ATS. 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 in relation to the secondary, the ATS will switch over to the secondary power source until the primary input is restored and stable. Super-fast switchover between primary and secondary power sources occurs within 2-7 milliseconds. ATS functionality is supported by any two 120V AC power sources, regardless of phase angle, to offer support for 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 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 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

- PDU with attached 5-15P input power cord
- Detachable C13 to NEMA 5-15P 12 ft/3.6m power cord for optional secondary input

- Installable 1U mounting brackets
- User manual with warranty information

Features

- 120V 15A metered PDU system with Automatic Transfer Switch (ATS)
- Dual input cords, one attached (primary) and one optional-use detachable cord (secondary)
- Included cordsets support 5-15P plug-in connection
- Front panel digital ammeter displays power consumption in amps
- 8 built-in NEMA 5-15R output receptacles
- Optional 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, like Tripp Lite's SmartOnline series)
- ATS functionality is supported by any two 120V AC power sources, regardless of phase angle, to offer support for a variety of unique redundant power applications
- Super-fast switchover between primary and secondary power sources occurs within 2-7 milliseconds
- Built-in card slot supports optional SNMPWEBCARD for permanent upgrade to a switched & monitored PDU system
- SNMPWEBCARD can also be used as a configuration tool to custom program PDU power-on and power-off sequences with user-specified time delays in response to loss and restoration of primary input power.
- Small 1U rackmount format installs in only one rack space with a maximum installed depth of 14.5 inches

Specifications

OVERVIEW	
Model Type	ATS/Auto Transfer Switches; Metered
SYSTEM OVERVIEW	
Voltage compatibility (VAC)	120
OUTPUT	
Frequency compatibility	60 Hz
Output VA	1800
Output nominal voltage	120V
Outlet quantity / type	8 NEMA 5-15R
INPUT	
Recommended Electrical Service	120V
Maximum Input Amps (A)	15
Input connection type	2 NEMA 5-15P
Plug Type	NEMA 5-15P (15A 120V)
Input cord length (ft.)	12
LEDS ALARMS & SWITCHES	
Front panel LEDs	10 front panel LEDs display power on - off status for each outlet, plus 3 LEDs for power status on each input line cord. Digital Current Meter displays output power consumption in amps.
PHYSICAL	
Shipping weight (lbs)	15.2

Shipping weight (kg)	6.9
Unit Dimensions (HWD/in)	1.75 (1U) x 17.5 x 14.5
Unit Dimensions (HWD/cm)	4.44 x 44.4 x 36.8
Shipping Dimensions (HWD/in)	6.25 x 22.5 x 23.5
Shipping Dimensions (HWD/cm)	15.9 x 57.2 x 59.7
Unit weight (lbs)	11
Unit weight (kg)	5
Material of construction	Steel
Style	Rackmount
Form factors supported	1U rackmount
ENVIRONMENTAL	
Relative Humidity	Up to 95% (non-condensing)
COMMUNICATIONS	
SNMP compatibility	Includes slot for optional SNMPWEBCARD accessory to enable remote individual outlet control over IP
SPECIAL FEATURES	
Appearance	Black 1U rackmount steel chassis
CERTIFICATIONS	
Certifications	Tested to UL 60950-1 (USA), CSA (Canada), 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.
Extended Warranties	WEXT3-PDU-AT	3-Year Extended Warranty - For PDUMH15AT and PDUMH20AT only	-
Extended Warranties	WEXT5-PDU-AT	5-Year Extended Warranty - For PDUMH15AT and PDUMH20AT only	-
SNMP Accessories	SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	-
SNMP Accessories	ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	-
Rack Accessories	SR SWITCH	Magnetic Door Switch Kit (2-pack for front and rear doors; requires ENVIROSENSE.)	-
Power Cables	P002-002	2-ft. Power Cord (IEC-320-C14 to NEMA 5-15R)	-
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)	-
Power Cables	P007-002	2-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P)	-
Power Cables	P007-006	6-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P)	-
Power Cables	P007-010	10-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P)	-
Power Cables	P010-012	12-ft. 18AWG Power cord (NEMA 5-15P to IEC-320-C13)	-
Power Cables	P012-006	6-ft. Notebook Power cord (NEMA 1-15P to IEC-320-C7)	-
Power Cables	P022-001	1-ft. 18AWG Power Extension cord (NEMA 5-15R to NEMA 5-15P)	-
Power Cables	P023-001	1-ft. 14AWG Power Adapter cord (NEMA L5-15R to NEMA 5-15P)	-
Power Cables	P032-007	7-ft. 12AWG Heavy Duty Power cord (IEC-320- C13 to IEC-320-C20	-
Power Cables	P034-010	10-ft. 14AWG Heavy Duty Power cord (IEC-320-C19 to NEMA 5-15P)	-

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=3456.

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