![Tripp-Lite Power Protection logo]

Model #: PDUMH20AT

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

Highlights

- 1U rackmount PDU with digital current monitoring display
- 20A 120V capacity with 16 NEMA 5-15/20R outlets
- Connects to NEMA 5-20R and locking L5-20R receptacle
- Integrated Automatic Transfer Switch (ATS) allows PDU to operate from secondary input source when primary input fails
- Sequential outlet power-on prevents inrush-related equipment interaction on startup

Description

Tripp Lite's 120V 20A metered PDU system with Automatic Transfer Switching (ATS) is a 16 outlet PDU with a digital display to indicate total PDU power consumption in amps. Outlets are sequentially turned-on at 250 millisecond intervals when the PDU is first energized from an unpowered state to prevent inrush-related equipment interaction on startup. Supports 1U rackmount installation in a 2 or 4 post rack. Included are 16 NEMA 5-15/20R outlets, and two 12 ft. L5-20P input power cords. Each cord is compatible with both NEMA 5-20R and L5-20R receptacles.

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. 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. 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 L5-20P input power cord
- Detachable C19 to NEMA L5-20P 12 ft/3.6m power cord for optional secondary input
- Two NEMA L5-20R to NEMA 5-20P plug adapters
- Installable 1U mounting brackets
- User manual with warranty information

Features

- 120V 20A metered PDU system with Automatic Transfer Switch (ATS)
- Dual input cords, one attached (primary) and one optional-use detachable cord (secondary)
- Included cordsets support 5-20P and L5-20P plug-in connections via secure adapters
- Front panel digital ammeter displays power consumption in amps
- 16 built-in NEMA 5-15/20R 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
- 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	120V
OUTPUT	
Frequency compatibility	50 / 60 Hz
Output VA	20A / 2400VA
Output nominal voltage	120V
Outlet quantity / type	16 NEMA 5-15/20R
INPUT	
Recommended Electrical Service	120V
Maximum input amps	20A
Input connection type	2 NEMA L5-20P with 2 NEMA 5-20P plug adapters
Input cord length (ft.)	Both input cables are 12 ft / 3.6m - the cables each terminate to a L5-20P locking plug on the input side. Two included 6 inch plug adapters convert the locking plugs to NEMA 5-20P plugs
LEDS ALARMS & SWITCHES	
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 total load consumption of connected equipment in amps
PHYSICAL	
Shipping weight (lbs)	16.4
Shipping weight (kg)	7.4
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)	12.2
Unit weight (kg)	5.5
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 (USA, Canada), Class A (Emissions), NOM (Mexico), RoHS Complaint

WARRANTY

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

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
SNMP Accessories	ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	-
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	P034-010	10-ft. 14AWG Heavy Duty Power cord (IEC-320-C19 to NEMA 5-15P)	-
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	P043-002	2-ft. 10AWG Heavy Duty Power Cord with 20 AMP Breaker, (NEMA L5-30P to NEMA L5-20R)	-
Power Cables	P045-010	10-ft. 12AWG Heavy-Duty Power cord (IEC-320-C19 to NEMA L5-20P)	-
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	P049-010	10-ft. 12AWG Heavy Duty Power cord (IEC-320-C19 to NEMA 5-20P)	-
SNMP Accessories	SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	-
Rack Accessories	SRSWITCH	Magnetic Door Switch Kit (2-pack for front and rear doors; requires ENVIROSENSE.)	-
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	