

## 3.8kW Single-Phase Metered Automatic Transfer Switch PDU, 2 200-240V C20 Inlets, 8 C13 & 2 C19 Outputs, 1U, TAA

MODEL NUMBER: PDUMH20HVAT



### Description

Tripp Lite Metered Automatic Transfer Switch / ATS PDU provides a redundant power option for network devices powered by a non-redundant power supply configuration. 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. 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

- 200-240V 16/20A Automatic Transfer Switch (ATS) / Metered 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 output power consumption in amps
- 1U horizontal rackmount form factor; 14.8 in. / 37.6 cm depth
- 10 outlets (8 C13, 2 C19)
- Set of Plug-lock output power cable retention sleeves prevent accidental disconnection of connected devices
- Set of two C20 inlets support connection to separate PRIMARY and SECONDARY power sources
- Two 12ft / 3.6m C19 to C20 power cables included

### Highlights

- Single phase 16/20A 200-240V Auto Transfer Switch / ATS PDU
- Enables redundant-power option for single-corded network devices
- Separate primary & secondary inputs connect to any two compatible power sources
- 1U horizontal rackmount; 2 C20 inputs; 8 C13 and 2 C19 outlets
- Two digit visual current meter; Upgrade options available
- Federal Trade Agreements Act / TAA Compliant for GSA Schedule purchases

### Package Includes

- Metered PDU with ATS Support
- 2x IEC C19-to-C20 AC input cables
- Plug-lock cable retention sleeves
- Mounting hardware
- User manual with warranty information



- 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 2-5 milliseconds
- Built-in card slot supports optional SNMPWEBCARD or WEBCARDLX for permanent upgrade to a switched & monitored PDU system
- 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
- Front panel LEDs confirm power availability on both input lines
- Federal Trade Agreements Act / TAA Compliant for GSA Schedule purchases

## Specifications

OVERVIEW	
UPC Code	037332156488
PDU Type	Auto-Transfer Switch; Metered
OUTPUT	
Frequency Compatibility	50 / 60 Hz
Output Capacity Details	3.84kW (240V), 3.68kW (230V), 3.52kW (220V), 3.33kW (208V), 3.2kW (200V) / 16A total capacity; 16A max per C19 outlet; 12A (10A CE) max per C13 outlet
Output Receptacles	(8) C13; (2) C19
Output Nominal Voltage	200; 208; 220; 230; 240
Overload Protection	n/a
Customized Load Management Receptacles	Adding SNMPWEBCARD or WEBCARDLX accessory offers upgrade path to switched PDU (only C13 outlets are switchable upon upgrade); Management Cards can also be inserted temporarily as a configuration tool to custom program power-on and power-off C13 outlet sequences with user-specified time delays in response to loss and restoration of primary input
INPUT	
PDU Input Voltage	200; 208; 220; 230; 240



Recommended Electrical Service	20A 208/240V; 16A 230V
Maximum Input Amps	20
Maximum Input Amps Details	Agency de-rated to 16A continuous
PDU Plug Type	(2) IEC-320 C20
Input Phase	Single-Phase
Input Cord Details	Set of two inputs connect to separate PRIMARY and SECONDARY power sources
Input Cord Length (ft.)	12
Input Cord Length (m)	3.66
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
Front Panel LCD Display	Digital display reports total PDU output current in amps
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
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
<b>PHYSICAL</b>	
Form Factors Supported	1U rackmount
Material of Construction	Metal
Minimum Required Rack Depth (cm)	46.48
Minimum Required Rack Depth (inches)	18.3
PDU Form Factor	Horizontal (1U)
Shipping Dimensions (hwd / cm)	13.72 x 52.83 x 58.93
Shipping Dimensions (hwd / in.)	5.40 x 20.80 x 23.20
Shipping Weight (kg)	8.07
Shipping Weight (lbs.)	17.80
Unit Dimensions (hwd / cm)	4,4 x 43,9 x 37,6
Unit Dimensions (hwd / in.)	1.72 x 17.3 x 14.8
Unit Weight (kg)	4.67
Unit Weight (lbs.)	10.30
<b>ENVIRONMENTAL</b>	
Storage Temperature Range	-30°C to +50°C (-22°F to +122°F)
Relative Humidity	5 to 95% (non-condensing)
Operating Elevation (ft.)	0-10,000
Operating Elevation (m)	0-3000



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<b>COMMUNICATIONS</b>	
Network Management Cards	&nbsp;<a class="productLink" href="//www.tripplite.com/SNMP-Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~SNMPWEBCARD">SNMPWEBCARD</a>&nbsp;; &nbsp;<a class="productLink" href="//www.tripplite.com/Web-Management-Accessory-Card-WEBCARDLX">WEBCARDLX</a>&nbsp;
SNMP Compatibility	Includes slot for optional &nbsp;<a class="productLink" href="//www.tripplite.com/SNMP-Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~SNMPWEBCARD">SNMPWEBCARD</a>&nbsp; or &nbsp;<a class="productLink" href="//www.tripplite.com/Web-Management-Accessory-Card-WEBCARDLX">WEBCARDLX</a>&nbsp; accessory to add built-in network interface and enable remote individual outlet control over IP
<b>SPECIAL FEATURES</b>	
TVSS Grounding	Rear grounding lug
<b>CERTIFICATIONS</b>	
Certifications	Tested to UL 60950 (USA, Canada), CE (Europe), Class A (Emissions), NOM (Mexico), RoHS Complaint, TAA Compliant
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	2-year limited warranty

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