5kW Single-Phase ATS/Switched PDU, 208V (16 C13, 2 C19 & 1 L6-30R) 2 L6-30P Input Cords, 2U Rack-Mount, TAA

MODEL NUMBER: **PDUMH30HVATNET**

Highlights

- Single phase 30A 208V Auto Transfer Switch / ATS PDU with Solid State Switching
- Enables redundant-power option for single-corded network devices
- Separate primary & secondary inputs connect to any two compatible power sources
- 2U rackmount, 2 L6-30P inputs, 19 switched outlets (16 C13, 2 C19, 1 L6-30R)
- Individually switched outlets, network interface and visual current, voltage and environmental monitoring
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

- 2U ATS PDU
- Rackmount installation brackets
- Cable retention plates and cable ties
- User manual

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. Highly reliable solid-state switching between primary and secondary inputs occurs in 1-5 milliseconds. 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.

Features

- 208V 30A Automatic Transfer Switch (ATS) / Switched PDU (Agency de-rated to 24A continuous)
- ATS features provide redundant power for critical network equipment with a single input power cord
- 2 digit display reports output power consumption in amps
- 2U horizontal rackmount form factor; 12.5 in. / 31.8 cm depth
- 19 built-in switched outlets (16 C13, 2 C19 & 1 L6-30R)
- Set of two 10 ft. / 3m NEMA L6-30P input cables support connection to separate PRIMARY and SECONDARY inputs
- 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 2-6 milliseconds
- 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, SNMPv3, 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 to prevent inrush-related equipment interaction on startup
- Front panel LEDs confirm power availability on both input lines and for each output receptacle
- Included cord retention brackets keep vital network equipment plugged in and continuously powered
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Specifications

OVERVIEW	
PDU Type	Auto-Transfer Switch; Switched
OUTPUT	
Output Capacity Details	5kW (208V), 4.8kW (200V) total capacity / 30A max (Agency de-rated to 24A), 24A max per L6-30R outlet; 20A max per breakered outlet bank; 16A max per C19 outlet; 12A max per C13 outlet
Frequency Compatibility	60 Hz
Output Receptacles	(16) C13; (2) C19; (1) L6-30R
Output Nominal Voltage	200; 208
Overload Protection	Includes two 20A output circuit breakers; Breaker 1 controls the upper row of 9 outlets (8 C13, 1 C19); Breaker 2 controls the lower row of outlets (8 C13, 1 C19); L6-30R outlet is unbreakered
Customized Load Management Receptacles	Each outlet is individually controllable via remote interface
INPUT	
PDU Input Voltage	200; 208
Recommended Electrical Service	30A 208V
Maximum Input Amps	30
Maximum Input Amps Details	Agency rated to 24A continuous
PDU Plug Type	(2) NEMA L6-30P

Input Cord Details	Set of two inputs connect to separate PRIMARY and SECONDARY power sources
Input Cord Length (ft.)	10
Input Cord Length (m)	3.05
Input Phase	Single-Phase

USER INTERFACE, ALERTS & CONTROLS

Front Panel LCD Display	Digital display reports output amps in 4 separately metered loading segments (BANK 1: Outlets #1-9; BANK 2: Outlets #10-18; BANK 3: Outlet #19), whole-PDU output kW load level and input voltage on primary and secondary input lines
Front Panel LEDs	19 LEDs display power on/off status for each outlet, plus 2 LEDs for power status on Primary and Secondary input connection and three additional LEDs to label the displayed numeric value as Amps, kW or Voltage
Switches	ENTER and MODE switches toggle the digital display to show output amps (Banks 1-4), total kW output and input voltage (primary, secondary)

PHYSICAL

Minimum Required Rack Depth (inches)	16
Minimum Required Rack Depth (cm)	40.64
Shipping Dimensions (hwd / in.)	7.8 x 16.7 x 19.9
Shipping Dimensions (hwd / cm)	19.8 x 42.4 x 50.5
Shipping Weight (lbs.)	19.3
Shipping Weight (kg)	8.8
Unit Dimensions (hwd / in.)	3.5 x 17.5 x 12.5
Unit Dimensions (hwd / cm)	8.8 x 44.5 x 31.8
Unit Weight (lbs.)	13.7
Unit Weight (kg)	6.21
Material of Construction	Metal
Form Factors Supported	2U rackmount
PDU Form Factor	2U; Horizontal
Minimum Required Rack Depth (mm)	406

ENVIRONMENTAL

Storage Temperature Range	5 to 122F (-15 to 50C)
Relative Humidity	5 to 95% (non-condensing)
Operating Elevation (ft.)	0-10,000
Operating Elevation (m)	0-3000

COMMUNICATIONS

SNMP Compatibility	Yes, via pre-installled network interface. Provides remote monitoring, outlet control, and automatic power management configurations
CERTIFICATIONS	
Certifications	Tested to UL 60950-1 (USA, Canada), Class A (Emissions), NOM (Mexico), RoHS Complaint, TAA Compliant
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty