

2.9kW Single-Phase ATS / Switched PDU, 120V Outlets (24 5-15/20R, 1 L5-30R) 2 L5-30P, 2 10ft Cords, 2U Rack-Mount, TAA

MODEL NUMBER: **AL-84054**



Description

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

- 120V 30A Power Distribution Unit(PDU) with Auto-Transfer Switch(ATS) and Switched outlets(Agency de-rated to 24A)
- ATS features provide redundant power for critical network equipment with a single input power cord
- Switched PDU features enable programmable or real-time power control of individual outlets via built-in network interface
- Visual meter reports output amp and kW power consumption, plus voltage and temperature/humidity data with optional AL-84121 sensor 25
- switched outlets(24 5-15/20R & 1 L5-30R)
- 2U horizontal rackmount form factor; 11.9 in. / 30.2cm depth
- Set of two 10 ft. / 3m NEMA L5-30P input line cords enable separate PRIMARY and SECONDARY input connections
- ATS circuits normally maintain output sourced from the primary input cable; As primary input power fails or becomes unstable, the ATS will switch to

Highlights

- Single phase 30A 120V Auto Transfer Switch / ATS PDU; Highly reliable Solid State Switching
- Enables redundant A/B power option for single-corded network devices
- Separate primary & secondary inputs connect to any two compatible power sources
- 2U rackmount, 2 L5-30P inputs, 25 switched outlets (24 5-15/20R, 1 L5-30R)
- Individually switched outlets and built-in network interface enables remote control and monitoring
- Digital meter reports voltage, kW load level and output amperage in 4 load segments
- TAA Compliant

Package Includes

- ATS / Switched PDU with two L5-30P inputs
- Installable 2U mounting brackets
- Operating manual

maintain output sourced from the secondary input cable until power on the primary input is restored and stable

- Highly reliable solid-state switching enables fast 1-5 millisecond transfer between primary and secondary inputs
- 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
- DHCP/Manual configuration support; Supports HTTP, HTTPS, PowerAlert Network Management System, SMTP, SNMPv1, SNMPv2, SNMPv3, Telnet, SSH, FTP, DHCP, BOOTP, NTP protocols
- Compatible with optional AL-84121 temperature monitor
- Outlets are factory programmed for sequential turn-on at 250 millisecond intervals as the PDU is first energized
- Front panel LEDs confirm power availability on both input lines
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Specifications

OVERVIEW	
PDU Type	Auto-Transfer Switch; Switched
OUTPUT	
Output Capacity Details	3.05kW (127V), 2.88kW (120V), 2.4kW (100V) / 30A total capacity (Agency de-rated 24A); 24A max per L5-30R outlet; 20A max per breaker load bank; 16A max per 5-15/20R outlet
Frequency Compatibility	60 Hz
Output Receptacles	(24) 5-15/20R; (1) L5-30R
Output Nominal Voltage	100; 120; 127
Overload Protection	Two 20A output breakers protect 12 5-15/20R outlets each
Customized Load Management Receptacles	25 individually controllable outlets
INPUT	
PDU Input Voltage	100; 120; 127
Recommended Electrical Service	30A 120V
Maximum Input Amps	30
Maximum Input Amps Details	Agency de-rated to 24A continuous
Input Connection Type	Two labelled L5-30P inputs support Primary and Secondary input connections
PDU Plug Type	NEMA L5-30P
Input Cord Length (ft.)	10
Input Cord Length (m)	3

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: 5-20R outlets #1-12; BANK 2: 5-20R outlets #13-24; BANK 3: L5-30R outlet #25; BANK 4: Total PDU output), whole-PDU output kW load level, input voltage on primary and secondary lines and *temperature / *humidity data (*with optional ENVIROSENSE sensor)
Front Panel LEDs	25 LEDs display power on/off status for each outlet, plus 2 LEDs for power status on Primary and Secondary input connection and 3 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, input voltage(primary, secondary) and*temperature /*humidity data(*with optional AL-84121 sensor)
PHYSICAL	
Minimum Required Rack Depth (inches)	16.9
Minimum Required Rack Depth (cm)	42.9
Shipping Dimensions (hwd / in.)	8.1 x 20.5 x 17.1
Shipping Dimensions (hwd / cm)	20.6 x 52.1 x 43.4
Shipping Weight (lbs.)	19.3
Shipping Weight (kg)	8.7
Unit Dimensions (hwd / in.)	3.4 x 17.3 x 11.9
Unit Dimensions (hwd / cm)	8.6 x 43.9 x 43.9
Unit Weight (lbs.)	15.3
Unit Weight (kg)	6.9
Material of Construction	Metal
Form Factors Supported	2U rackmount
PDU Form Factor	Horizontal (1U, 2U, etc)
ENVIRONMENTAL	
Storage Temperature Range	5 to 122F (-15C 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-installed network interface. Provides remote monitoring, outlet control, and automatic power management configurations.
SPECIAL FEATURES	
TVSS Grounding	Grounding lug

CERTIFICATIONS	
Certifications	Tested to UL 60950-1 (USA), CSA (Canada), Class A (Emissions), NOM (Mexico), RoHS Complaint, TAA Compliant
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

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