1.4kW Single-Phase Switched Automatic Transfer Switch PDU, 2 120V 5-15P 15A Inputs, 8 5-15R Outputs, 1U, TAA

MODEL NUMBER: **PDUMH15ATNET**







Highlights

- Single-phase 12A 120V Auto Transfer Switch / ATS PDU
- Pre-installed WEBCARDLX with latest version of PADM20 for IP-based Auto Probe feature
- Enables redundant A/B power option for single-corded network devices
- Separate primary and secondary inputs connect to any two compatible power sources
- 1U horizontal rackmount; 2 NEMA 5-15P inputs; 8 NEMA 5-15R outlets
- Individually switched outlets; Two digit visual current meter
- Federal Trade Agreements Act / TAA Compliant for GSA Schedule purchases

Package Includes

- ATS / Switched PDU with attached 5-15P input power cord
- Detachable C13 to NEMA 5-15P 12 ft / 3.6m secondary input cord
- Installable 1U mounting brackets
- User manuals with warranty information

Description

This 120V 12A Switched Automatic Transfer Switch / ATS PDU provides a redundant power option for network devices with a non-redundant power supply configuration. Dual input cords support connections to separate primary and secondary power sources. The ATS will normally maintain continuous output to all outlets as derived from the primary input power 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. The built-in Java-free HTML5-based LX Platform interface enables full remote access for PDU status monitoring and email notifications via secure web browser, SNMP, telnet or SSH. It supports 10/100 Mbps auto-sensing for optimum communication with an Ethernet network. Optional EnviroSense2 modules (sold separately) provide a variety of environmental monitoring capabilities. Protocols supported include IPv4, IPv6, HTTP, HTTPS, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP, BOOTP and NTP. Switched PDU features include individually controllable output receptacles. 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. The 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 LEDs display primary or secondary power availability.

Features

- 120V 15A Automatic Transfer Switch (ATS) / Switched PDU (Agency de-rated to 12A continuous)
- Provides a redundant A/B power option for non-redundant networking equipment with a single input power cord
- Switched rack PDU (rPDU) features enable programmable or real-time power control of individual outlets via built-in network interface
- Digital display continuously reports total output power consumption in amps
- 8 switched NEMA 5-15R outlets
- 1U horizontal rack-mount form factor; 14.5 in. / 36.8 cm depth
- Set of two 12 ft. / 3.6m NEMA 5-15P input cables support connection to separate PRIMARY and

SECONDARY power sources

- 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 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 2-7 milliseconds
- Pre-installed WEBCARDLX with the latest version of PowerAlert Device Manager firmware (PADM20) provides enhanced remote management capabilities
- PADM20 and PowerAlert Element Manager (PAEM) form a powerful tool for expanding maintenance functions in large installations, including firmware update checks and backup and restoration of device configurations
- IP-based Auto Probe detects lost connectivity and restores service autonomously
- Optional EnviroSense2 modules (sold separately) provide a variety of environmental monitoring capabilities
- 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
- Federal Trade Agreements Act / TAA Compliant for GSA Schedule purchases

Specifications

OVERVIEW	
UPC Code	037332136428
PDU Type	Auto-Transfer Switch; Switched
INPUT	
Input Phase	Single-Phase
PDU Input Voltage	120
Recommended Electrical Service	Two single-phase 15A 120V circuits
Maximum Input Amps	12
Maximum Input Amps Details	Agency de-rated to 12A continuous
PDU Plug Type	(2) NEMA 5-15P
Input Cord Details	Set of 2 inputs enable connection to separate PRIMARY and SECONDARY power sources
Input Cord Length (ft.)	12
Input Cord Length (m)	3.66
OUTPUT	
Output Capacity Details	1.44kW (120V) / 12A total capacity; 12A max per outlet

Frequency Compatibility	50 / 60 Hz
Output Receptacles	(8) 5-15R
Output Nominal Voltage	120V
Customized Load Management Receptacles	8 individually switched output receptacles
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	Digital display reports total PDU output current in amps
Switches	Reset button for LX Platform management card will reboot card without affecting the connected equipment.
LED Indicators	8 LEDs display power on-off status for each output receptacle, plus 2 additional LEDs to indicate input power status for primary and secondary inputs. Pre-installed WEBCARDLX provides Ethernet Link and Status LED's for network activity along with a system status LED for monitoring system operation.
SURGE / NOISE SUPPRESSION	
Automatic Shut-Off	No
PHYSICAL	
Material of Construction	Metal
Rack Height	1U
Form Factors Supported	1U rackmount
Minimum Required Rack Depth (cm)	44.45
Minimum Required Rack Depth (inches)	17.5
PDU Form Factor	Horizontal (1U)
Shipping Dimensions (hwd / in.)	5.30 x 20.80 x 23.20
Shipping Dimensions (hwd / cm)	13.46 x 52.83 x 58.93
Shipping Weight (lbs.)	16.00
Shipping Weight (kg)	7.26
Unit Dimensions (hwd / in.)	1.750 x 17.500 x 14.500
Unit Dimensions (hwd / cm)	4.44 x 44.4 x 36.8
Unit Weight (lbs.)	11.00
Unit Weight (kg)	4.99
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	-22° to 122°F (-30° to 50°C)
Relative Humidity	5% to 95% non-condensing
Operating Elevation	0-10000 ft. (0-3000 m)
COMMUNICATIONS	

PowerAlert Software	LX Platform Interface: PowerAlert Device Manager
Communications Cable	Micro-USB- to-USB A configuration/console Access cable
Network Monitoring Port	RJ45 Network port, Micro-USB Configuration port, USB A port supports a variety of Envirosense2 environmental and control modules. See Accessories>Management Hardware section for more information about these modules.
SNMP Compatibility	Pre-installed LX platform interface provides remote monitoring via Java-free HTML5 web interface, telnet, SSH and SNMP management systems
Network Compatibility	10 Mbps; 100 Mbps (Fast Ethernet)
FEATURES & SPECIFICATIONS	
Grounding	Rear grounding lug
High Availability PDU Features	Auto Probe Monitoring and Reboot (included); Auto-Transfer Switching; Auto Load Shedding
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); NOM (Mexico); UL 60950-1
Product Compliance	RoHS; FCC Part 15 Class A (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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