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1440VA 1100W 120V Line-Interactive UPS - 5 NEMA 5-15R Outlets, Network Card Option, USB, DB9, 1U Rack/Tower

MODEL NUMBER: SMART1500RT1U





Provides complete battery backup and power protection for servers, switches and other in-rack IT equipment in small-to-mid-size networks.

Features

1440VA/1100W/120V Battery Backup for PC Networks, Security Systems or Digital Signage

This SmartPro® line-interactive UPS system with AVR provides reliable battery backup and AC power protection against blackouts, brownouts, surges and line noise that can damage valuable electronics or destroy data. The SMART1500RT1U is ideal protection for point-of-sale and kiosk applications, a small-business VoIP network or rack-mount equipment, such as servers and switches, in your server room or network closet.

Reliable Battery Backup Keeps You Operational Through Power Outages

The field-replaceable, hot-swappable internal battery provides eight minutes of support at half load (550W) and two minutes at full load (1100W), allowing you to work through short power failures and giving you enough time to safely save files and shut down your system in case of a prolonged blackout.

Optional WEBCARDLX Network Interface Offers 24/7 Remote Access for Monitoring and Control

The optional WEBCARDLX (sold separately) with the latest version of PowerAlert Device Manager firmware provides enhanced remote management capabilities, including customizable dashboard graphs to fit user preferences. The PowerAlert Device Manager upgrade and Tripp Lite's PowerAlert Element Manager (PAEM) software form a powerful tool for expanding maintenance functions in large installations, including firmware update checks and backup and restoration of device configurations.

NEMA 5-15R Outlets Protect Your Connected Components

Five 5-15R outlets in two separate load banks provide connected equipment with pure sine wave AC output during blackouts, overvoltages and severe brownout conditions. Power provided by these outlets is filtered to protect connected equipment against damaging surges and line noise.

Automatic Voltage Regulation (AVR) Corrects Low- and High-Voltage Conditions

AVR protects your equipment from incremental hardware damage, data loss and performance problems caused by brownouts. The SMART1500RT1U maintains regulated 120V nominal output during brownouts as low as 90V, while keeping the battery fully charged and ready to take over in case of power failure.

Premium Protection from EMI/RFI Line Noise Helps Your Equipment Perform Better

Highlights

- Protects equipment against blackouts, brownouts, transient surges and line noise
- Keeps AC power running during outages to allow time for file saves and safe shutdown
- Maintains continuous 120V nominal output during brownouts as low as 90V
- 5 outlets (5-15R) power and protect networking, telecom and other sensitive equipment
- Optional WEBCARDLX with latest version of PowerAlert Device Manager for enhanced remote management

Package Includes

- SMART1500RT1U 1440VA 1100W 120V Line-Interactive UPS with 5 Outlets
- USB cable
- DB9 cable
- EPO/ROO connector
- Rack-mounting hardware
- Owner's manual



This UPS system filters out disruptive electromagnetic and radio frequency interference that can inflict hardware damage or data loss. This EMI/RFI filtering also helps your connected components perform better and last longer.

Designed for High Efficiency to Help You Save Money and Protect the Environment

A 98% efficiency rating reduces BTU emissions, energy consumption and, ultimately, your energy costs.

Intuitive Front-Panel Interface for Convenient UPS Operation and Monitoring

The front-panel LCD features detailed UPS and site power status and operating data (including load, voltage and battery data) and multiple screens of configuration and setup options. LEDs indicate AC output availability and fault status. On-screen operational diagram offers an easy-to-grasp visual representation of line and battery modes.

Advanced Communications Ports Allow for Automatic Saves and Shutdowns

RS-232 and HID-compliant USB ports connect to a computer running Tripp Lite's free downloadable PowerAlert® software to enable safe unattended shutdown in case of a prolonged power failure. The EPO/ROO port supports emergency shutdown in large facilities or Remote ON/OFF capability. USB and RS-232 cables are included.**Auto Probe Allows Autonomous UPS Management** WEBCARDLX allows use of Tripp Lite's IP-based Auto Probe feature, which ensures continuous network untime by communicating with other network deviace. If communication is lost Auto Probe autonomously

uptime by communicating with other network devices. If communication is lost, Auto Probe autonomously performs one or more user-configurable actions, including email notifications, which help you return the network devices to an operational state.

Versatile Installation Options

Hardware is included for mounting the UPS in just 1U of space in an EIA-standard 19-inch 4-post or 2post rack. You can also adapt it for tower mounting using the included hardware. The six-foot power cord with NEMA 5-15P plug connects to a compatible AC outlet.

Specifications

OVERVIEW		
UPC Code	037332239341	
UPS Type	Line-Interactive	
INPUT		
Rated input current (Maximum Load)	11.3A (100V); 12A (120V); 10.8A (127V)	
Nominal Input Voltage(s) Supported	100V AC; 120V AC; 127V AC	
UPS Input Connection Type	5-15P	
Input Circuit Breakers	15A	
UPS Input Cord Length (ft.)	6	
UPS Input Cord Length (m)	1.8	
Recommended Electrical Service	15A 120V	
Input Phase	Single-Phase	
OUTPUT		
Output Volt Amp Capacity (VA)	1440	
Output Capacity (kVA)	1.44	



Durput KV Capacity (kV) 1.1 Output KCapacity (kV) 1.4 Output KCapacity (kV) 1.4 Output KCapacity (kV) 1.4 Output KCapacity (kV) 1.76 Nominal Voltage Details 120V sinusoidal in line mode and 120V sinusoidal in battery mode Frequency Compatibility 50 / 60 Hz Frequency Compatibility Output is regulated to +/-0.05Hz when input frequency exceeds +/-5Hz of nominal. Output Voltage Regulation (Line For 100% 180/AG +/-5% +/15%/AC +/-5% (1870/AC +/-5% (1970/AC +/5%		
Duput Capacity Details 1440 VA @ 120VAC and 127VAC, 100VAC: 1080 VA Power Factor 0.76 Nominal Voltage Details 120V sinusoidal in line mode and 120V sinusoidal in battery mode Frequency Compatibility 50 / 60 Hz Output Voltage Regulation (Line For 100: 50 VAC +/ 5%, 115VAC +/ 5%, 115	Output Watt Capacity (Watts)	1100
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Enclose Output is regulated to ±/-0.05Hz when input frequency exceeds ±/-5Hz of nominal. Output Voltage Regulation (Line Epr 100V, 50V/C ± -6.5W, 175V/AC \pm -6.5W, 175V/	Nominal Voltage Details	120V sinusoidal in line mode and 120V sinusoidal in battery mode
Output Voltage Regulation (Line Mode) For 100V: 80VAC +/-5%, r15VAC +/-5%, (72VAC +/-5%, r15VAC +/-5%, (72VAC input)), For 127V: 108VAC +/-5%, r13VAC +/-5%, r15VAC +/-5%, r15VAC +/-5%, r15VAC +/-5%, r13VAC +/-5%, r15VAC +/-5%, r	Frequency Compatibility	50 / 60 Hz
Mode) SS, r130VAC +/. SS, (72VAC +/. SS, r130VAC +/. SS, (8270VAC Input)), For 127V: 108VAC +/. SS, -145VAC +/. SS, Output Volage Regulation (Battery Mode) -10%, +6%. Load Management Receptacles LOAD 1 (8ANK OF 2 OUTLETS); LOAD 2 (BANK OF 3 OUTLETS) Output AC Waveform (AC Mode) Pure Sine wave Nominal Output Volage(s) 120V Supported 120V Output Receptacles (5) 5-15R Individually Controllable Load Banks Yes BATTERY Valve Regulated Lead Acid (VRLA) Battery Type Valve Regulated Lead Acid (VRLA) Full Load Runtime (min.) 2 Battery Type Valve Regulated Lead Acid (VRLA) Full Load Runtime (min.) 8 Expandable Runtime (min.) 8 Battery Receipter Rate (Included Battery Receipter Receipter) 6 Hours to 90%. Battery Access Battery access panel Internal UPS Replacement Battery Caritige Regulation Description Automatic voltage regulation (AVR) maintains line power operation with input voltage as low as 90 (±5%). Input voltage range of 90 to 139 Voltage Rightagenet Rout Cob Information and configuration screen offers detailed UPS and sile power status and operating dota. plos configuration on voltage (routor) screen offers	Frequency Compatibility Details	Output is regulated to +/-0.05Hz when input frequency exceeds +/-5Hz of nominal.
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	Front Panel LCD Display	plus configuration of voltage, frequency, operating mode, alarm function and a variety of additional options (see



Switches	ON button controls UPS ON, Cold-start, Self-test, and menu functions. OFF button controls unit off, fault clearance, and menu functions. Alarm/Enter button control audible alarm state and menu confirmation.
Audible Alarm	Audible alarm indicates power ON, power-failure, warnings, and low-battery conditions
LED Indicators	2 LEDs indicate AC output status (Green); UPS fault (Solid Red)/ UPS abnormal conditions (Flashing Red).
SURGE / NOISE SUPPRESSION	
AC Suppression Joule Rating	540
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Rackmount; Tower
Cooling Method	Fan
Included Mounting Accessory Description	Included mounting brackets provide front-rail installation in 2 or 4 post racks, plus upright tower configurations
Installation Form Factors Supported with Included Accessories	2 post 19 inch rackmount; 2 post front mount; 4 post 19 inch rackmount; Tower
Maximum Device Depth (cm)	55.37
Maximum Device Depth (in.)	21.8
Maximum Device Depth (mm)	554
Minimum Required Rack Depth (cm)	63.02
Minimum Required Rack Depth (inches)	24.81
Primary UPS Depth (mm)	554
Primary UPS Height (mm)	44
Primary UPS Width (mm)	440
Rack Height	1U
UPS Housing Material	Steel
UPS Power Module Weight (kg)	16.80
UPS Power Module Weight (lbs.)	37.037
ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	48
AC Mode Efficiency Rating (100% Load)	98%
AC Economy Mode Efficiency Rating (100% Load)	0.98



Operating Elevation (ft.)	3280 ft. (1000 m) above sea level
Audible Noise	40 dBA maximum, front side 1m
COMMUNICATIONS	
Network Management Cards	(1) <a class="productLink" href="//www.tripplite.com/Web-Management-Accessory-
Card~WEBCARDLX">WEBCARDLX
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at https://www.tripplite.com/poweralert
Communications Cable	USB and DB9 cabling included, EPO/ROO jack for Emergency and Remote Shutdown.
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network Management Card Description	Network management card optional
Communications Interface	(1) EPO (emergency power off); (1) RS-232; (1) USB (HID enabled)
LINE / BATTERY TRANSFER	
Transfer Time	6-8 ms typical (< 10 ms max)
Low Voltage Transfer to Battery Power (Setpoint)	100V: 80VAC +/- 5% (HI sensitivity), 70VAC +/- 5%, (LO sensitivity), @120V: 89VAC +/- 5% (HI sensitivity), 70VAC+/- 5% (LO sensitivity), @127V: 93VAC+/- 5%, (HI sensitivity), 70VAC+/- 5%, (LO sensitivity)
High Voltage Transfer to Battery Power (Setpoint)	162 VAC (120VAC/127VAC INPUT), 139 VAC (100VAC INPUT) +/- 5%
FEATURES & SPECIFICATIONS	
Grounding Lug	Back panel grounding lug
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring (requires WEBCARDLX); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); NOM (Mexico); UL 1778
Product Compliance	ENERGY STAR Qualified; FCC Part 15 Class B (USA)
WARRANTY	
Product Warranty Period (Worldwide)	2-year warranty, 3 year with registration. Note: <a <br="" class="insuranceLink">href="//www.tripplite.com/support/product-warranty-registration">Registration is required for 3-year warranty.
Extended Warranties	1-year and 2-year extensions available
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 Ultimate Lifetime Insurance

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