

500VA 300W 120V Line-Interactive UPS - 6 NEMA 5-15R Outlets, USB, DB9, Network Card Option, 1U Rack/Tower

MODEL NUMBER: **SMART500RT1U**



1U rack-mount UPS offers complete power protection for small network applications, including telecom, security and digital signage.

Features

500VA/300W/120V Battery Backup for PC Networks, Security Systems or Digital Signage

The SmartPro® line-interactive SMART500RT1U UPS system with AVR protection provides reliable battery backup and AC power protection against blackouts, brownouts, surges and line noise that can damage valuable electronics or destroy data. The 120V battery backup is ideal protection for point-of-sale and kiosk applications, a small business VoIP network, or rack-mount equipment in your server room or network closet.

Allows Time to Back Up Critical Files During a Blackout

Backup support allows you to work through short!



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

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 97% efficiency rating reduces BTU emissions, energy consumption and, ultimately, your energy costs.

LED Indicators and Audible Alarms Keep You Informed

Five front-panel LEDs keep you apprised of line power, battery power, overload, voltage regulation and battery low/replace status at a glance. A multi-function alarm sounds to warn you of power failure, overload and low-battery conditions.

Advanced Communications Ports Allow for Automatic Saves and Shutdowns

RS-232 and HID-compliant USB ports connect to a computer running free downloadable PowerAlert® software to enable safe unattended shutdown in case of a prolonged power failure. The EPO port supports emergency shutdown in large facilities. Cables are included.

Versatile Installation Options

Hardware is included for mounting the UPS in 1U of space in an EIA-standard 19-inch 2-post or 4-post rack or in an upright tower position. The 10-foot power cord with NEMA 5-15P plug connects to any compatible AC outlet.

Specifications

OVERVIEW	
UPC Code	037332119247
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	10A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
Input Circuit Breakers	10A
UPS Input Cord Length (ft.)	10
UPS Input Cord!!!!!!!!!!!!!!!!	



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Nominal Voltage Details	120V sinusoidal in line mode and 120V PWM in battery mode
Frequency Compatibility	60 Hz
Frequency Compatibility Details	Output is regulated to +/-0.05Hz when input frequency exceeds +/-5Hz of nominal.
Output Voltage Regulation (Line Mode)	-14%, +16%
Output Voltage Regulation (Battery Mode)	+/- 5%
UPS Output Receptacles (Surge Suppression Only)	5 UPS outlets, 1 surge-only outlet
Load Management Receptacles	One switchable single-outlet 5-15R load bank
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	120V
Output Receptacles	(6) 5-15R
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	3 min. (300W)
Runtime Half Load (min.)	14 min. (150W)
Expandable Runtime	No
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	Less than 12 hours to 90%
Battery Access	Battery access door
Internal UPS Replacement Battery Cartridge	IMPORTANT BATTERY REPLACEMENT INFORMATION > Use Tripp Lite RBC12V-1U replacement battery for SMART500RT1U models with Series Number AG-03AA listed on the UPS nameplate (sold starting in 2021); For all prior versions of SMART500RT1U, use Tripp Lite RBC62-1U replacement battery; Contact Tripp Lite customer service for additional information
Battery Replacement Description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage 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
Undervoltage Correction	Input voltages between 90 and 105 (±5%) are boosted by 14%
USER INTERFACE, ALERTS & CONTROLS	
Switches	

AC Mode Efficiency Rating (100% Load)	97%
AC Economy Mode Efficiency Rating (100% Load)	0.97
Operating Elevation	0-6562 ft. (0-2000 m)
Audible Noise	45 dBA maximum, front side 1m
COMMUNICATIONS	
Network Management Cards	 WEBCARDLXE </td>
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 software at https://tripplite.eaton.com/products/power-alert
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network Management Card Description	Network management card optional
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)
LINE / BATTERY TRANSFER	
Transfer Time	4-6 ms typical (< 10 ms max)
Low Voltage Transfer to Battery Power (Setpoint)	90
High Voltage Transfer to Battery Power (Setpoint)	139
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection; Auto Probe Monitoring (requires WEBCARDLXE)
Grounding Details	Back panel grounding lug
APPLICATIONS	
UPS Applications	High-End Desktop/Small Network; Retail/Point of Sale; Hospitality
STANDARDS & COMPLIANCE	
Product Cert!!!!!!	



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Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 Ultimate Lifetime Insurance
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1000 Eaton Boulevard
Cleveland, OH 44122
United States
<https://tripplite.eaton.com>

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