TAA-Compliant SmartPro 120V 500VA 300W Line-Interactive UPS, 1U Rack/Vertical, Network Card Options, USB, DB9 Serial

MODEL NUMBER: **SMART500RT1UTAA**





Highlights

- Federal Trade Agreements Act / TAA compliant for GSA schedule purchases
- 500VA line-interactive 1U rack/vertical UPS
- 120V nominal output during brownouts as low as 90V
- USB, RS232, EPO and slot for Network Management Card options
- Front panel status LEDs; 1 switched output load bank
- NEMA 5-15P input; 7 NEMA 5-15R outlets
- To use the Auto Probe feature, this product requires a WEBCARDLX network interface (sold separately) running LX firmware update 15.5.2 or later

Package Includes

- SMART500RT1UTAA UPS System
- Mounting hardware
- Cabling for USB & DB9 monitoring and EPO switching
- Instruction manual

Description

This SMART500RT1UTAA intelligent line-interactive rack/vertical UPS system prevents data loss, downtime and equipment damage due to power outages, voltage fluctuations and transient surges. Requires only one rack space (1U) in a 2- or 4-post rack. Large internal batteries offer 14.6 minutes half-load runtime and 3.2 minutes at full load. Maintains regulated 120V nominal output without using battery power during brownouts as low as 90V. 500VA/300W power handling capability is compatible with networking, telecom and other sensitive electronic applications. Includes six UPS supported outlets with a single-outlet load bank that can be individually controlled via software interface to reboot select equipment on demand or shed less significant loads to extend battery runtime for more critical equipment. Includes one surge-only outlet for peripherals not requiring battery backup.
Supports simultaneous remote monitoring of UPS and site power conditions via built-in USB and DB9 monitoring ports. PowerAlert® UPS monitoring and unattended shutdown software is available via free download. Emergency Power Off (EPO) interface offers option for instantaneous power-off of UPS and connected equipment in the case of fire or emergency. Multi-function audible alarms and set of five front-panel LEDs offer at-a-glance notification of UPS and line power status. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges and line noise. Attractive all-black color scheme.

Features

- Federal Trade Agreements Act / TAA compliant for GSA schedule purchases
- SMART500RT1UTAA .5 kVA / 500VA / 300 watt line interactive UPS
- 1U rack / vertical compatible form factor
- NEMA 5-15P input connection; 7 NEMA 5-15R output receptacles
- Installed depth of only 11.8 in / 29.8 cm
- Large internal batteries offer runtimes of 14.6 minutes at half load (250VA/150 watts) and 3.2 minutes at full load (500VA/300 watts)
- Maintains regulated 120V nominal output during brownouts as low as 90V
- Includes 6 UPS-supported outlets and 1 surge-only outlet
- One of the UPS supported outlets is switched for remote load shedding or rebooting of an individual device
- USB & Serial ports enable data-saving unattended shutdown when used with PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert

- Supports detailed monitoring of equipment load levels,self-test data, and utility power condition via built-in RS-232 and USB interfaces
- Compatible with UPS management card options TLNETCARD, WEBCARDLX and SNMPWEBCARD
- Supports WatchDog software application to restore operation to locked equipment through soft reboot of application, OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications (requires optional WATCHDOGSW)
- Emergency Power Off (EPO) interface with cable
- Multi-function audible alarms and set of 5 front panel LEDs
- Network-grade AC surge suppression
- Field-replaceable, hot-swappable internal UPS batteries

Specifications

OVERVIEW	
UPC Code	037332204134
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	5.6A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
Input Circuit Breakers	15A
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	15A 120V
OUTPUT	
Output Capacity (VA)	500
Output Capacity (kVA)	0.5
Output Capacity (Watts)	300
Output Capacity (kW)	0.3
Nominal Voltage Details	120v nominal output in battery mode
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-15%, +13%
Output Voltage Regulation (Battery Mode)	+/- 5%
UPS Output Receptacles (Surge Suppression Only)	6 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	110V; 115V; 120V
Output Receptacles	(6) 5-15R
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	3.2 min. (300W)
Runtime Half Load (min.)	14.6 min. (150W)
Expandable Runtime	No
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	Less than 4 hours from 10% to 90%
Battery Access	Battery access door
Internal UPS Replacement Battery Cartridge	RBC62-1U
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
Undervoltage Correction	Input voltages between 90 and 108 are boosted by 14%
USER INTERFACE, ALERTS & CONTROLS	
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Audible Alarm	Audible alarm indicates power-failure, overload and low-battery conditions
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	567
UPS Dataline Suppression	1 line TEL/DSL (1 in / 1 out)
EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	567
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Rackmount; Vertical

Rack Height	1U
Included Mounting Accessory Description	Included mounting brackets provide front-rail installation in 2 or 4 post racks
Installation Form Factors Supported with Included Accessories	2 post 19 inch rackmount; 2 post front mount; 4 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	Vertical Mount Enclosures (SRWF5U36 , SRWF5U , SRWF10UMOD)
Minimum Required Rack Depth (cm)	38.10
Minimum Required Rack Depth (inches)	15
Primary UPS Depth (mm)	286
Primary UPS Height (mm)	44
Primary UPS Width (mm)	440
Shipping Dimensions (hwd / in.)	15.40 x 4.80 x 22.10
Shipping Dimensions (hwd / cm)	39.12 x 12.19 x 56.13
Shipping Weight (lbs.)	20.90
Shipping Weight (kg)	9.48
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	4.39 x 43.99 x 28.60
UPS Power Module Dimensions (hwd, in.)	1.73 x 17.32 x 11.26
UPS Power Module Weight (kg)	7.98
UPS Power Module Weight (lbs.)	17.6
Unit Weight (lbs.)	17.6000
Unit Weight (kg)	7.98
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	44
AC Mode Efficiency Rating (100% Load)	96%
Audible Noise	45 dBA maximum, front side 1m
COMMUNICATIONS	

Network Management Cards	TLNETCARD ; WEBCARDLXE
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 UPS Tools (NUT) Compatibility	NUT compatible. See a full list of NUT compatible Tripp Lite UPS systems at https://networkupstools.org/stable-hcl.html?manufacturer=Tripp%20Lite
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	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	90
High Voltage Transfer to Battery Power (Setpoint)	136
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring and Reboot (requires WEBCARDLX); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection
Grounding Details	Back panel grounding lug
APPLICATIONS	
UPS Applications	Large Network; High-End Desktop/Small Network
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); UL 1778
Product Compliance	RoHS; FCC Part 15 Class B (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

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