

SmartPro 120V 500VA 300W Line-Interactive UPS, 1U Rack/Tower, NAFTA version of SMART500RT1U

MODEL NUMBER: **SM500RMNAFTA**



Description

Tripp Lite's SM500RMNAFTA intelligent, line interactive rack/tower uninterruptible power supply 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, with included accessories for upright tower placement.

Large internal batteries offer 8 minutes half load runtime and 3 minutes at full load. Maintains regulated 120V nominal output without using battery power during brownouts as low as 90V. 500VA/300 watt power handling capability is compatible with networking, telecom and other sensitive electronic applications. Includes 6 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 1 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. Includes PowerAlert

UPS monitoring and unattended shutdown software with complete cabling. Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter. Emergency Power Off (EPO) interface offers option for instantaneous power-off of UPS and connected equipment in the case of fire or emergency situation. Multi-function audible alarms and set of 5 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. \$250,000 Ultimate Lifetime Insurance (U.S., Canada, and Puerto Rico only).

Features

- SM500RMNAFTA line interactive UPS offers battery derived sine wave AC output during power outages, voltage regulation during brownouts, plus network-grade AC surge suppression
- 500VA/300 watt power handling capability compatible with networking, telecom and other sensitive electronic devices
- Supports 1U rackmount installation in 2 or 4 post rack enclosures, upright tower placement also supported - mounting accessories included
- Large internal batteries offer runtimes of 17 minutes at half load (250VA/150 watts) and 5 minutes at full load (500VA/300 watts)
- Maintains regulated 120V nominal output during brownouts as low as 90V
- Includes 6 UPS-supported outlets, with one pair of individually controllable outlets that can be powered off and back on again via software interface
- PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, pager & email notification, event

Highlights

- 500VA line interactive 1U rack/tower UPS
- 6 outlets with 1 switchable load bank
- Simultaneous communications via SNMPWEBCARD slot, USB and DB9 serial ports
- Included PowerAlert UPS monitoring software manages an unlimited number of network UPS systems
- Built-in voltage regulation corrects brownouts to 90V
- \$250,000 Ultimate Lifetime Insurance (U.S., Canada, and Puerto Rico only)

Package Includes

- SM500RMNAFTA UPS System
- Mounting hardware
- Cabling for USB & DB9 monitoring and EPO switching
- PowerAlert unattended shutdown and UPS/Power monitoring software
- Warranty information and instruction manual



logging and running user-defined script commands

- Offers simultaneous monitoring by up to 3 directly-connected devices through included USB, DB9 and SNMP* interfaces (*requires optional SNMPWEBCARD), or the monitoring of any number of additional UPS systems over IP with included PowerAlert monitoring software. Free PowerAlert enterprise management software is also available for select opportunities
- Communications ports support messaging of UPS and line power status, including on-battery, low-battery, power restored, AC line voltage, DC battery voltage and remaining battery capacity
- Supports timed inverter shutoff after unattended shutdown, activate self-test and UPS output power control for scheduled or immediate reboot of connected devices
- Supports Tripp Lite's WatchDog software application to restore unresponsive programs by systematically restarting applications, operating systems and ultimately rebooting completely locked computers by momentarily switching UPS power off and back on again (requires optional WATCHDOGSW)
- Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter
- Emergency Power Off (EPO) interface with cable
- Multi-function audible alarms and set of 5 front panel LEDs
- Network-grade AC surge suppression
- Attractive all-black color scheme
- UPS battery set ships fully assembled and ready for installation, no time consuming connection of internal batteries by user is necessary
- \$250,000 Ultimate Lifetime Insurance (U.S., Canada, and Puerto Rico only)

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	500
Output Watt Capacity (Watts)	300
Power Factor	0.6
Nominal Output Voltage(s) Supported	120V
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-15%, +13%
Output Voltage Regulation (Battery Mode)	+/- 5%
Output Receptacles	(7) 5-15R
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
INPUT	
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 ft., 14 gauge, Black
UPS Input Cord Length (m)	3.05
Recommended Electrical Service	15A 120V
Input Phase	Single-Phase
BATTERY	
Full Load Runtime (min.)	3 min. (300w)
Half Load Runtime (min.)	8 min. (150w)
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	Less than 4 hours from 10% to 90%
Internal UPS Replacement Battery Cartridge	RBC62-1U
Battery Access	Battery access door
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%
LEDS ALARMS & SWITCHES	
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
Audible Alarm	Audible alarm indicates power-failure, overload and low-battery conditions
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	480 joules
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
PHYSICAL	
Included Mounting Accessory Description	Adjustable mounting rail kit included
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	1.7 x 17.5 x 11.8



UPS Power Module Dimensions (hwd, cm)	4.4 x 44.4 x 29.8
Rack Height (U Spaces)	1
UPS Power Module Weight (lbs.)	17.6
UPS Power Module Weight (kg)	8
UPS Shipping Dimensions (hwd / in.)	5 x 22.5 x 16
UPS Shipping Dimensions (hwd / cm)	12.7 x 57.2 x 40.6
Shipping Weight (lbs.)	19.9
Shipping Weight (kg)	9
UPS Housing Material	Steel
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)	65.1
Battery Mode BTU / Hr. (Full Load)	287.7
AC Mode Efficiency Rating (100% Load)	94%
COMMUNICATIONS	
Communications Interface	USB; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	Included
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
LINE / BATTERY TRANSFER	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	90
High Voltage Transfer to Battery Power (Setpoint)	136
SPECIAL FEATURES	
Grounding Lug	Back panel grounding lug
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported



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High Availability UPS Features	Hot swappable batteries
Green Energy-Saving Features	Individually controllable load banks
CERTIFICATIONS	
UPS Certifications	Meets FCC Part 15 Category B (EMI); NAFTA Compliant; ROHS (Restriction of Hazardous Substances); Tested to CSA (Canada); Tested to NOM (Mexico); Tested to UL1778 (USA)
WARRANTY	
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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