

## 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

### 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



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 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

| OVERVIEW                           |                  |
|------------------------------------|------------------|
| UPC Code                           | 037332137623     |
| UPS Type                           | Line-Interactive |
| 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               |
| UPS Input Cord Length (m)          | 3.1              |
| Recommended Electrical Service     | 15A 120V         |
| Input Phase                        | Single-Phase     |



| <b>OUTPUT</b>                                |   |
|--|---|
| Output Volt Amp Capacity (VA)                | 500   |
| Output Watt Capacity (Watts)                 | 300   |
| Power Factor                                 | 0.6   |
| Frequency Compatibility                      | 60 Hz   |
| Output Voltage Regulation (Line Mode)        | -15%, +13%  |
| Output Voltage Regulation (Battery Mode)     | +/- 5%  |
| 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                           | (7) 5-15R   |
| <b>BATTERY</b>                               |   |
| Full Load Runtime (min.)                     | 3 min. (300w)   |
| Half Load Runtime (min.)                     | 8 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   | &nbsp;<a class="productLink" href="//www.tripplite.com/1U-UPS-Replacement-12VDC-Battery-Cartridge-Select-Tripp-Lite-SmartPro-UPS~RBC62-1U">RBC62-1U</a>&nbsp; |
| Battery Replacement Description              | Hot-swappable, user replaceable batteries   |
| <b>VOLTAGE REGULATION</b>                    |   |
| 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%  |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |   |
| 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  |



| <b>SURGE / NOISE SUPPRESSION</b>        |   |
|---|---|
| UPS AC Suppression Joule Rating         | 480   |
| EMI / RFI AC Noise Suppression          | Yes   |
| AC Suppression Response Time            | Instantaneous   |
| <b>PHYSICAL</b>                         |   |
| Primary Form Factor                     | Rackmount   |
| Included Mounting Accessory Description | Adjustable mounting rail kit included                         |
| Primary UPS Depth (mm)                  | 300   |
| Primary UPS Height (mm)                 | 43  |
| Primary UPS Width (mm)                  | 445   |
| Rack Height                             | 1U  |
| Shipping Dimensions (hwd / cm)          | 12.70 x 57.15 x 40.64   |
| Shipping Dimensions (hwd / in.)         | 5.00 x 22.50 x 16.00  |
| Shipping Weight (kg)                    | 9.53  |
| Shipping Weight (lbs.)                  | 21.00   |
| UPS Housing Material                    | Steel   |
| UPS Power Module Dimensions (hwd, cm)   | 4.32 x 44.45 x 29.97  |
| UPS Power Module Dimensions (hwd, in.)  | 1.7 x 17.5 x 11.8   |
| UPS Power Module Weight (kg)            | 7.98  |
| UPS Power Module Weight (lbs.)          | 17.6  |
| <b>ENVIRONMENTAL</b>                    |   |
| 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%   |
| <b>COMMUNICATIONS</b>                   |   |
| 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   |
| Communications Interface                                    | USB; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface   |
| <b>LINE / BATTERY TRANSFER</b>                              |   |
| Transfer Time   | 2-4 milliseconds  |
| Low Voltage Transfer to Battery Power (Setpoint)            | 90  |
| High Voltage Transfer to Battery Power (Setpoint)           | 136   |
| <b>FEATURES &amp; SPECIFICATIONS</b>                        |   |
| Grounding Lug   | Back panel grounding lug  |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported  |
| High Availability UPS Features                              | Hot swappable batteries   |
| Green Energy-Saving Features                                | Individually controllable load banks  |
| <b>STANDARDS &amp; COMPLIANCE</b>                           |   |
| 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) |
| <b>WARRANTY</b>   |   |
| Product Warranty Period (Worldwide)                         | 2-year limited warranty   |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico)  | \$250,000 &nbsp;<a class="insuranceLink" href="//www.tripplite.com/support/insurance-policy">Ultimate Lifetime Insurance</a> &nbsp;                                     |

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