

Telephone: 773.869.1234 www.tripplite.com

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

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

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

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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 (14 gauge, Black UPS Input Cord Length (ft.) 10 ft., 14 gauge, Black UPS Input Cord Length (ft.) 10 ft., 14 gauge, Black UPS Input Cord Length (ft.) 305 (Single-Phase Single-Phase Single			
UPS Input Cord Length (m) 3.05 Recommended Electrical Service 15A 120V Input Phase Single-Phase BATTERY Full Load Runtime (min.) 3 min. (300w) Haif Load Runtime (min.) 8 min. (150w) DC System Voltage (VDC) 12 Battery Recharge Rate (Included Battery) Recharge Rate (Included Battery) Replacement Battery Carfridge Rate (Included Battery) Replacement Battery Replacement Battery Replacement 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 selenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status Switches 2 Switches control officin power status and alarm-cancel/self-test operation UPS AC Suppression Joute Rating 480 joules EMI / RFI AC Noise Suppression Ves AC Suppression Response Time Instantaneous PHYSICAL Included Mounting Accessory Adjustable mounting rall kit included UPS Power Module Dimensions 17 v. 17 v. 11 8	Input Circuit Breakers	15A	
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 Battery 6 Battery Recharge Rate (included Battery 6 Battery Access Battery access door Battery Replacement Battery Battery Access Battery access door Battery Replacement Description Hot-ewappable, 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 stenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status Switches 2 Switches control offron power status and alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status Switches 2 Switches control offron power status and alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status Switches 2 Switches control offron power status and alarm-cancel/self-test operation Surge / Noise Suppression Yes AC Suppression Response Time Instantaneous Physical Included Mounting Accessory Adjustable mounting rail kit included UPS Power Module Dimensions 17 × 17 5 × 11 8	UPS Input Cord Length (ft.)	10 ft., 14 gauge, Black	
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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 Rackmount Rackmount UPS Power Module Dimensions 17, 17, 5, 5, 11, 8	VOLTAGE REGULATION		
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Description Primary Form Factor Rackmount UPS Power Module Dimensions 1.7 x 17.5 x 11.8	PHYSICAL		
UPS Power Module Dimensions 1.7 x 17.5 x 11.8		Adjustable mounting rail kit included	
	Primary Form Factor	Rackmount	
		1.7 x 17.5 x 11.8	





(nwd, cm) Rack Height (U Spaces) UPS Power Module Weight (lbs.) UPS Power Module Weight (kg) UPS Shipping Dimensions (hwd / in.) Shipping Dimensions (hwd / cm) Shipping Weight (lbs.) Shipping Weight (kg) UPS Housing Material Ste ENVIRONMENTAL Operating Temperature Range +32 Storage Temperature Range Relative Humidity AC Mode BTU / Hr. (Full Load) Battery Mode BTU / Hr. (Full Load) AC Mode Efficiency Rating (100% Load) COMMUNICATIONS Communications Interface US Network Monitoring Port Description PowerAlert Software Communications Cable US	7.6 2.7 x 57.2 x 40.6 9.9 Steel 32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius 5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius 1 to 95%, non-condensing	
UPS Power Module Weight (lbs.) UPS Power Module Weight (kg) UPS Shipping Dimensions (hwd / in.) UPS Shipping Dimensions (hwd / cm) Shipping Weight (lbs.) Shipping Weight (kg) UPS Housing Material ENVIRONMENTAL Operating Temperature Range Storage Temperature Range Relative Humidity AC Mode BTU / Hr. (Full Load) Battery Mode BTU / Hr. (Full Load) AC Mode Efficiency Rating (100% Load) COMMUNICATIONS Communications Interface US Network Monitoring Port Description PowerAlert Software Inc. Communications Cable	7.6 x 22.5 x 16 2.7 x 57.2 x 40.6 9.9 Steel 32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius 5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius 1 to 95%, non-condensing 5.1 87.7	
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UPS Shipping Dimensions (hwd / cm) Shipping Weight (lbs.) Shipping Weight (kg) UPS Housing Material Ste ENVIRONMENTAL Operating Temperature Range +32 Storage Temperature Range +5 Relative Humidity 0 to AC Mode BTU / Hr. (Full Load) 65. Battery Mode BTU / Hr. (Full Load) 94 COMMUNICATIONS Communications Interface US Network Monitoring Port Description Sulphone Communications Cable US	2.7 x 57.2 x 40.6 9.9 Steel 32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius 5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius 1 to 95%, non-condensing 5.1 87.7	
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Shipping Weight (kg) UPS Housing Material ENVIRONMENTAL Operating Temperature Range +32 Storage Temperature Range +5 Relative Humidity 0 to AC Mode BTU / Hr. (Full Load) 65. Battery Mode BTU / Hr. (Full Load) 287 AC Mode Efficiency Rating (100% 949 COMMUNICATIONS Communications Interface US Network Monitoring Port Description Sulphone Communications Cable US	Steel 32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius 5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius 1 to 95%, non-condensing 15.1 87.7	
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ENVIRONMENTAL Operating Temperature Range +32 Storage Temperature Range +5 Relative Humidity 0 to AC Mode BTU / Hr. (Full Load) 65. Battery Mode BTU / Hr. (Full Load) 94 COMMUNICATIONS Communications Interface US Network Monitoring Port Description Sulphone Communications Cable US	32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius 5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius 1 to 95%, non-condensing 15.1 87.7	
Operating Temperature Range +32 Storage Temperature Range +5 Relative Humidity 0 to AC Mode BTU / Hr. (Full Load) 65. Battery Mode BTU / Hr. (Full Load) 949 COMMUNICATIONS Communications Interface US Network Monitoring Port Description Sul PowerAlert Software Inc. Communications Cable US	5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius 1 to 95%, non-condensing 5.1 87.7	
Storage Temperature Range +5 Relative Humidity 0 to AC Mode BTU / Hr. (Full Load) 65. Battery Mode BTU / Hr. (Full Load) 287 AC Mode Efficiency Rating (100% 240 COMMUNICATIONS Communications Interface US Network Monitoring Port Description SulphowerAlert Software Inc. Communications Cable US	5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius 1 to 95%, non-condensing 5.1 87.7	
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AC Mode Efficiency Rating (100% Load) COMMUNICATIONS Communications Interface US Network Monitoring Port Description Sul PowerAlert Software Inc Communications Cable US		
COMMUNICATIONS Communications Interface US Network Monitoring Port Description Sul PowerAlert Software Inc Communications Cable US	4%	
Communications Interface US Network Monitoring Port Description Sul PowerAlert Software Inc Communications Cable US		
Network Monitoring Port Description Super PowerAlert Software Inc. Communications Cable US		
PowerAlert Software Inc Communications Cable US	JSB; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface	
Communications Cable US	Supports detailed monitoring of UPS and site power conditions	
	ncluded	
WatchDog Compatibility Su	JSB and DB9 cabling included	
	Supports Watchdog application, OS and hard-reboot restart options for remote applications	
LINE / BATTERY TRANSFER		
Transfer Time 2-4	-4 milliseconds	
Low Voltage Transfer to Battery Power (Setpoint) 90	0	
High Voltage Transfer to Battery Power (Setpoint)	36	
SPECIAL FEATURES		
Grounding Lug Bac	Back panel grounding lug	
Cold Start (Startup in Battery Mode During a Power Failure)		



Tripp Lite
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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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