TAA SmartPro 208/120V 5kVA 4kW Line-Interactive Sine Wave UPS, 6U, Extended Run, Network Card Options, USB, DB9

MODEL NUMBER: **SM5000RT3UTAA**

Highlights

- Federal Trade Agreements Act / TAA Compliant for GSA Schedule purchases
- 5kVA / 5000VA / 4000W line interactive 6U rack/tower UPS, Sine wave output
- 208 & 120V output during brownouts to 151V and overvoltages to 260V
- USB, RS232, EPO and slot for network communication card options
- Expandable runtime, 8 single-outlet switched output load banks
- NEMA L6-30P input, 10 5-15R, 2 5-15/20R, 1 L6-30R & 1 L14-30R outlets

Package Includes

- SM5000RT3UTAA UPS System
- BP48V60RT3U battery pack
- USB, DB9 and EPO Cabling
- Mounting hardware
- Instruction manual with warranty information

Description

Tripp Lite's line-interactive SM5000RT3UTAA UPS System is compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases. This UPS protects server, networking or telecommunications equipment from blackouts, voltage fluctuations and surges in a compact tower/rackmount housing. In rack configuration, the power module and battery pack occupy only 3 rack spaces (3U) each. Large capacity 5000VA/4000W power module converts raw 208V AC input to fully regulated dual output 208/120 voltage for simultaneous protection of both high- and low-voltage equipment loads. True sine wave output at all times offers guaranteed compatibility with all equipment types. Includes 14 outlets, 8 of which can be individually reset via software interface to selectively reboot remote equipment or shed less critical loads to extend battery runtime for more critical equipment. Battery support can be extended indefinitely with additional external 3U rackmount battery packs. Network management interfaces support communications via USB, RS-232 and optional slot for network management card options.

Features

- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases
- Large 5000VA/4000W output capacity with full-time sine wave output offers guaranteed compatibility with all equipment types
- High power density 5kVA power module and battery pack occupy only 3 rack spaces (3U) each (UPS and battery pack require 6U total installed)
- 38 min. half load runtime, expandable with multiple external battery packs (part# BP48V60RT3U)
- Line-interactive voltage regulation corrects severe brownouts and overvoltages without using battery power
- Dual voltage output is simultaneously compatible with both 208V and 120V equipment
- 14 total outlets (120V: 10 x 5-15R, 2 x 5-20R/208V: 1 x L6-30R, 1 x L14-30R)
- Diagnostic LEDs provide visual indication of 17 separate performance conditions
- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from www.tripplite.com/poweralert
- 4 built-in communications ports (2 x DB9, 2 x USB) for remote monitoring and unattended shutdown
- Compatible with Tripp Lite UPS management card options WEBCARDLX and SNMPWEBCARD

- 8 customized load management receptacles can be individually powered off and back on again via software interface to reboot remote equipment or perform "load shedding" of less critical loads to extend battery runtime for the most critical equipment
- Emergency Power Off (EPO) interface for emergency shutoff in large facilities
- Hot-swappable/user replaceable batteries allow on-site battery replacement through the front panel without powering off connected equipment or removing the UPS from the rack
- UPS battery set ships fully assembled and ready for connection to the power module, no time consuming, connection of individual internal batteries by user is necessary
- $250,000 Ultimate Lifetime Insurance (U.S., Canada, and Puerto Rico only)
- NAFTA compliant

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	5000
Output kVA Capacity (kVA)	5
Output Watt Capacity (Watts)	4000
Output kW Capacity (kW)	4
Output Capacity Details	Output increases to 4800W maximum when user supplied 50A input plug or hardwire input is used
Power Factor	0.8
Nominal Output Voltage(s) Supported	110V; 115V; 120V; 208V
Nominal Voltage Details	208/120V nominal output in battery mode
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	208 & 120V (-10%, +20%)
Output Voltage Regulation (Battery Mode)	+/- 5%
Output Receptacles	(10) 5-15R; (2) 5-15/20R; (1) L14-30R; (1) L6-30R
Load Management Receptacles	Eight switchable single-outlet 5-15R load banks
Output Circuit Breakers	15A branch rated (x3) - 2 breakers support 5 5-15R outlets each, one breaker supports 2 5-20R outlets, L6-30R and L14-30R outlets are unbreakered
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
INPUT	
Nominal Input Voltage(s) Supported	208V AC
UPS Input Connection Type	L6-30P
Input Circuit Breakers	30A double-pole
UPS Input Cord Length (ft.)	10

UPS Input Cord Length (m)	3.0
Recommended Electrical Service	30A 208V
Input Cord Length (ft.)	10
Input Cord Length (m)	3.05
Input Phase	Single-Phase

BATTERY

Full Load Runtime (min.)	16 min. (4000w)
Half Load Runtime (min.)	38 min. (2000w)
Expandable Battery Runtime	Extended runtime supported via optional external battery packs
External Battery Pack Compatibility	BP48V24-2U(limit 1); BP48V60RT-3U(multi-pack compatible); BP48V27-2US(multi-pack compatible)
DC System Voltage (VDC)	48
Battery Recharge Rate (Included Batteries)	3 hours
Battery Replacement Description	Hot-swappable, user replaceable batteries
Expandable Runtime	Yes

VOLTAGE REGULATION

Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 151 to 282
Overvoltage Correction	Input voltages between 240V and 282 are reduced by 12%
Undervoltage Correction	Input voltages between 180V and 199 are boosted by 12%
Severe Undervoltage Correction	Input voltages between 151V and 179 are boosted by 24%

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	1020
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes

PHYSICAL

Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	2 post rackmount(2POSTRMKITHD); Tower(2-9USTAND)
Optional Mounting Accessory Notes	2 sets of 2POSTRMKITHD required for 2 post rackmount installation of separate power module and battery pack
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	5.2 x 17.5 x 22.5
UPS Power Module Dimensions (hwd, cm)	13.21 x 44.45 x 57.15
Rack Height (U Spaces)	6
Minimum Required Rack Depth (inches)	29.5
Minimum Required Rack Depth (cm)	74.93
UPS Power Module Weight (kg)	0
UPS Dimensions Details	Includes 3U UPS/power module and 3U external battery pack
Included Battery Pack Dimensions (hwd / in.)	5.2 x 17.5 x 22.8
Included Battery Pack Weight (lbs.)	135
Included Battery Pack Weight (kg)	61.23
UPS Shipping Dimensions (hwd / in.)	24.5 x 35 x 24
UPS Shipping Dimensions (hwd / cm)	62.2 x 88.9 x 61
Shipping Weight (lbs.)	321.6
Shipping Weight (kg)	146
Cooling Method	Fans
UPS Housing Material	Steel
Minimum Required Rack Depth (mm)	749
Primary UPS Height (mm)	132
Primary UPS Width (mm)	444
Primary UPS Depth (mm)	572
Shipping Height (mm)	622
Shipping Width (mm)	889
Shipping Depth (mm)	610
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
Battery Mode BTU / Hr. (Full Load)	1518
AC Mode Efficiency Rating (100% Load)	94%

COMMUNICATIONS	
Communications Interface	Contact closure; DB9 Serial; Slot for SNMP/Web interface; USB
Network Management Cards	SNMPWEBCARD; WEBCARDLX
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions; 2 USB ports, 1 DB9 serial and 1 DB9 contact closure port (4 total)
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert
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)	151
High Voltage Transfer to Battery Power (Setpoint)	282

SPECIAL FEATURES	
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

CERTIFICATIONS	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI); TAA Compliant

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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