

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

MODEL NUMBER: **SM5000RT3UTAA**



Description

The 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/rack-mount housing. In rack configuration, the power module and battery pack occupy only 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, eight 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 rack-mount 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 PowerAlert software, available via FREE download from triplite.eaton.com/products/power-alert
- 4 built-in communications ports (2 x DB9, 2 x USB) for remote monitoring and unattended shutdown
- Compatible with 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

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
- 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

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



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- 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

OVERVIEW	
UPC Code	037332161475
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
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)	3.1
Recommended Electrical Service	30A 208V
OUTPUT	
Output Capacity (VA)	5000
Output Capacity (kVA)	5
Output Capacity (Watts)	4000
Output Capacity (kW)	4
Output Capacity Details	Maximum output increases to 4800W when hardwire or user supplied 50A rated input plug is used
Power Factor	0.8
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%
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



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Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	110V; 115V; 120V; 208V
Output Receptacles	(10) 5-15R; (2) 5-15/20R; (1) L14-30R; (1) L6-30R
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	16 min. (4000W)
Runtime Half Load (min.)	38 min. (2000W)
Expandable Runtime	Yes
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
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	
Primary Form Factor	Rackmount



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Rack Height	6U
Cooling Method	Fans
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
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	2 post rackmount (2 post rackmount); Tower (2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND)
Minimum Required Rack Depth (cm)	7.62
Minimum Required Rack Depth (inches)	3
Minimum Required Rack Depth with External Battery Pack (cm)	75
Minimum Required Rack Depth with External Battery Pack (in.)	29.5
Minimum Required Rack Depth without External Battery Pack (cm)	72
Minimum Required Rack Depth without External Battery Pack (in.)	28.25
Optional Mounting Accessory Notes	2 sets of 2 sets of ; required for 2 post rackmount installation of separate power module and battery pack
Primary UPS Depth (mm)	572
Primary UPS Height (mm)	132
Primary UPS Width (mm)	445
Shipping Dimensions (hwd / in.)	24.50 x 35.00 x 24.00
Shipping Dimensions (hwd / cm)	62.23 x 88.90 x 60.96
Shipping Weight (lbs.)	321.62
Shipping Weight (kg)	145.88
Unit Dimension Details	Includes 3U UPS/power module and 3U external battery pack
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	13.21 x 44.45 x 57.15
UPS Power Module Dimensions (hwd, in.)	5.2 x 17.5 x 22.5
UPS Power Module Weight (kg)	42.18
UPS Power Module Weight (lbs.)	93
Unit Dimensions (hwd / in.)	5.200 x 17.530 x 22.520
Unit Weight (lbs.)	93



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Unit Weight (kg)	42.18
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 Efficiency Rating (100% Load)	94%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	1518
Audible Noise	45 dBA maximum, front side 1m
COMMUNICATIONS	
Network Management Cards	WEBCARDLXE
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 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 Management Card Description	Network management card optional
Communications Interface	Contact closure; DB9 Serial; USB
LINE / BATTERY TRANSFER	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	151
High Voltage Transfer to Battery Power (Setpoint)	282
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Automatic Voltage Regulation (AVR); Hot swappable batteries; Surge/noise protection
Grounding Details	Back panel grounding lug
APPLICATIONS	
UPS Applications	Large Network
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); NOM (Mexico); UL 1778

Product Compliance	RoHS; FCC Part 15 Class A (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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