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

MODEL NUMBER: **SM5000RT3UTAA**





Provides complete battery backup and pure sine wave power output for servers, network switches and other high-end distributed IT 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 and 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 and 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 SM5000RT3UPMTAA power moduleBP48V60RT3UTAA external battery pack
- USB, DB9, and EPO Cabling
- Mounting hardware
- Instruction manual with warranty information

Features

- **5kVA/4kW/208V/120V Battery Backup for Distributed IT, Telecom or Enterprise Deployments**
  This line-interactive UPS system provides reliable battery backup and AC power protection against blackouts, brownouts, surges and line noise that can damage your valuable IT equipment. The SM5000RT3UTAA is ideal for large and small network devices, storage and security equipment in labs, network closets, server rooms and data centers.**Reliable, Expandable Battery Backup Keeps You Operational Through Power Outages**
  The field-replaceable, hot-swappable VRLA battery modules allow you to work through short power failures and give you enough time to safely save files and shut down your system in case of a prolonged blackout. Switchover from line to battery power happens within milliseconds to maintain continuous operation of connected equipment without interruption or rebooting. Extra runtime is available by connecting optional extended battery modules (BP48V60RT3UTAA, sold separately).**Automatic Voltage Regulation (AVR) Corrects Low- and High-Voltage Conditions**
  Built-in AVR corrects abnormal voltage conditions without using the battery. The SM5000RT3UTAA maintains regulated 208/120V nominal output during brownouts and over-voltages from 151V to 260V while keeping the battery fully charged and ready to take over in case of power failure.**Pure Sine Wave Output**
  Pure sine wave output power ensures maximum stability with sensitive equipment.**Optional LXE Network Management Card Allows Remote Control and Access 24/7**
  The WEBCARDLXE (sold separately) enables access to advanced features like switchable load banks, automatic email messaging on power events, and full remote control of the UPS. The IP-based Auto Probe feature ensures network uptime by communicating with other network devices and automatically rebooting IT equipment when a loss of connectivity is detected. **Managed NEMA Outlets Protect Your Connected Components**
  One L14-30R, one L6-30R, two 5-20R, and ten 5-15R outlets provide connected equipment with pure sine wave AC output and allow you to monitor total power consumption. Power provided by these outlets is filtered to protect connected equipment against damaging surges and line noise. Eight 5-15R outlets are individually programmable load banks that let you shed non-critical loads to extend runtime for critical loads. Rear cooling fans help protect the UPS from overheating.**Premium Protection from EMI/RFI Line Noise Helps Your Equipment Perform Better**
  This UPS system filters out disruptive electromagnetic and radio frequency interference that can inflict hardware damage or data loss. This EMI/RFI filtering also helps your connected components perform better and last longer.**Front-Panel LED Interface for Convenient UPS Operation and Monitoring**
  The LED front-panel monitoring display features 5 LEDs that allow quick view of UPS and site power information. LEDs show UPS status: a green light means utility power is on and flashes in Standby Mode when charging the battery without AC output. When the AVR LED (Green) is on it means the UPS is automatically boosting or reducing incoming AC voltage to nominal values. The tri-color Load status

LED indicates low levels and flashes red when UPS is overloaded. The tri-color Battery Charge Level LED indicates battery charge level in Line Mode and battery capacity remaining in Battery Mode. The red Battery Replace/Fault LED indicates an active alarm or fault. The control panel rotates to accommodate both rack-mount and tower configurations.**Advanced Communications Ports Allow for Automatic Saves and Shutdowns**
RS-232 and USB ports connect to a device for a variety of communication options (cables are included). The EPO port permits emergency shutdown of all connected equipment.**Versatile Installation Options**
You can mount the SM5000RT3UTAA in just 6U of space in an EIA-standard 19-inch rack using the included hardware. You can also adapt it for tower installation using the optional 2-9USTAND (sold separately). The 10-foot power cord with NEMA L6-30P plug connects to a compatible AC outlet (Supports 4800W output capacity with a user-supplied 50A connection).**TAA-Compliant for GSA Schedule Purchases**
The SM5000RT3UTAA is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

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 hardwired or a 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
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	BP48V60RT3UTAA (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 151V to 260V
Overvoltage Correction	Input voltages between 240V and 260V 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, load state, voltage regulation, and battery replace/fault 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
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.)	163.140
Included Battery Pack Weight (kg)	74.00
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)
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 2POSTRMKITHD 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.)	10.500 x 17.530 x 22.500

Unit Weight (lbs.)	93
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
EPO Port	RJ-11 style 4-wire connection jack with included 4-wire cable to connect to facility/room EPO system
Network Management Card Description	Network management card optional
Communications Interface	DB9 Serial; Slot for SNMP/Web interface; USB
LINE / BATTERY TRANSFER	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	151V
High Voltage Transfer to Battery Power (Setpoint)	282V
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring (requires WEBCARDLXE); Automatic Voltage Regulation (AVR); Expandable battery backup; Hot swappable batteries; Sine wave output; Surge/noise protection
Grounding Details	Back panel grounding lug
APPLICATIONS	
UPS Applications	Computer/Peripherals; High-End Desktop/Small Network; Large Network
STANDARDS & COMPLIANCE	

Product Certifications	CSA (Canada); 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

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

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