1000 Eaton Boulevard Cleveland, OH 44122 United States

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 tripplite.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

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 singleoutlet 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

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

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
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	<a class="productLink" href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-Enclosure-DC-
Cabling-select-UPS-Systems~BP48V24-2U">BP48V24-2U (limit 1); <a <br="" class="productLink">href="//tripplite.eaton.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS- Systems~BP48V60RT-3U">BP48V60RT-3U (multi-pack compatible); <a <br="" class="productLink">href="//tripplite.eaton.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS- Systems~BP48V60RT-3U">BP48V60RT-3U (multi-pack compatible); <a <br="" class="productLink">href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-for-UPS-Systems~BP48V27-2US">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 & CON	TROLS
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
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 (<a class="productLink" href="//tripplite.eaton.com/2-Post-Rack-Mount-Installation-Kit-3U-
Larger-UPS-Transformer-Battery-Pack-Components-2POSTRMKITHD">2POSTRMKITHD); Tower (<a class="productLink" href="//tripplite.eaton.com/2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-
Systems~2-9USTAND">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 <a class="productLink" href="//tripplite.eaton.com/2-Post-Rack-Mount-Installation-Kit-3U-Larger-
UPS-Transformer-Battery-Pack-Components-2POSTRMKITHD">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 Prover Module Weight (bg.)42.18UPS never Module Weight (bg.)530 x 17.530 x 22.500Unit Dimensions (hvd / ini,)530 x 17.530 x 22.500Unit Weight (bg.)42.18Unit Weight (bg.)42.18 EVENOMENTAL 510 x 12.57 (170 to 40°C)Operating Temperature Range51° to 122°F (15° to 50°C)Ratare Humidity0 to 59°C, non-condensingChoose Efficiency Raing (bg.)64%Choose Efficiency Raing (bg.)64%Choose Fisciency Raing (bg.)64%Audie Noise45° BA maximum, front side 1m EVENOMENTAL Systems-WeiseCARDULEY-WeiseCARDULEY-SectionsProvent Munidity64 sbB maximum, front side 1m EVENOMENTAL Systems-WeiseCARDULEY-WeiseCARDULEY-Sections EVENOMENTAL Systems-WeiseCARDULEY-WeiseCARDULEY-SectionsProvent Monitoring Port DescriptionSystems-WeiseCARDULEY-SectionsNetwork Management CardSystems-WeiseCARDULEY-SectionsSystems-WeiseCARDULEY-WeiseCARDULEY-SectionsSystems-WeiseCARDULEY SectionsProventAust SoftwareSystems-WeiseCARDULEY-SectionsCommunications CaldieUSB and DBB cabling includedVeront Management CardSystems-WeiseCARDULEY SectionsSystems-WeiseCARDULEY SectionsSystems-WeiseCARDULEY SectionsCommunications CaldieUSB and DBB cabling includedVeront Management CardSystems-WeiseCARDULEY SectionsSystems-WeiseCARDULEY SectionsSystems-WeiseCARDULEY SectionsSystems-WeiseCARDULEY SectionsSystems-WeiseCARDULEY SectionsSystems-WeiseCAR			
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Unit Weight (bs.) 93 Unit Weight (kg) 42.18 ENVIRONMENTAL Coparating Temperature Range 5° to 122° F (15° to 50°C) Relative Humidity D to 95%, non-condensing A AC Mode Efficiency Rating (100%) 94%, 94%, Battery Mode Heat Dissipation 1518 45 dBA maximum, front side 1m COMMUNICATIONS Support Adaption of the Soft (100%) 94%, Network Management Cards Subspr., a class="productLink" href="//itripplite eaton.com/Network-Card-Eaton-Tripp-Lite-Series-UPS-SystemsWEBCARDLXE-Sw-EacAmberg: Network Management Cards Subspr., a class="productLink" href="//itripplite.eaton.com/Network-Card-Eaton-Tripp-Lite-Series-UPS-SystemsWEBCARDLXE-Sw-EacAmberg: Network Management Cards Support detated monitoring of UPS and site power conditions: 2 USB ports, 1 DB9 serial and 1 DB9 contact Communications Port Description Supports Matchdog application, OS and hard-reboot restart options for remote applications MatchDog Compatibility Supports Matchdog application, OS and hard-reboot restart options for remote applications Network Management Cards Network management Card Surge Transfer to Battery Supports Matchdog application, OS and hard-reboot restart options for remote applications MatchDog Compatibility	UPS Power Module Weight (lbs.)	93	
Unit Weigh (kg) 42.18 ENVIRONMENTAL Operating Temperature Range 52* 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%) 94%	Unit Dimensions (hwd / in.)	5.200 x 17.530 x 22.520	
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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 Network management card optional Communications Interface Contact closure; DB9 Serial; USB LINE / BATTERY TRANSFER 2-4 milliseconds Transfer Time 2-4 milliseconds Low Voltage Transfer to Battery 151 Power (Setpoint) 282 FEATURES & SPECIFICATIONS Cold-start operation supported Cold-start operation supported Automatic Voltage Regulation (AVR); Hot swappable batteries; Surge/noise protection	Network Monitoring Port Description		
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Description Network management card opuonal Communications Interface Contact closure; DB9 Serial; USB LINE / BATTERY TRANSFER 2-4 milliseconds 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 operation supported 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	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 151 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		Network management card optional	
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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	High Voltage Transfer to Battery Power (Setpoint)	282	
During a Power Failure) Cold-start operation supported High Availability UPS Features Automatic Voltage Regulation (AVR); Hot swappable batteries; Surge/noise protection	FEATURES & SPECIFICATIONS		
	Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported	
Grounding Details Back panel grounding lug	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		
STANDARDS & COMILIANCE		
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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