

# TAA-Compliant SmartPro 230V 3kVA 2.25kW Line-Interactive Sine Wave UPS, Extended Run, SNMP, Webcard, 2U Rack/Tower, USB, DB9 Serial

# MODEL NUMBER: SMX3000RT2UTAA





### Description

Tripp Lite's SMX3000RT2UTAA is compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases. This 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 two rack spaces (2U) in a standard rack enclosure. Large internal batteries offer 11 minutes half load runtime and 4 minutes at full load. Runtime is expandable with optional BP48V24-2U or BP48V60RT-3U external battery packs. Maintains regulated 230V nominal output without using battery power during brownouts and overvoltages from 151 to 282V. 3000VA/2250 watt power handling capability and full time sine wave output offers guaranteed compatibility with networking, telecom and other sensitive electronic applications. Includes a total of 9 outlets with 3 load banks that are individually switchable via software interface to reboot select equipment on demand or shed less significant loads to extend battery runtime for more critical equipment. Supports simultaneous remote monitoring of UPS and site power conditions via built-in USB and DB9 monitoring ports. Includes PowerAlert 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 poweroff of UPS and connected equipment in the case of fire or emergency. 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.

#### Features

- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases
- SMX3000RT2UTAA line interactive UPS
- 3000VA/2250 watt power handling capability with sine wave output

# **Highlights**

- Federal Trade Agreements Act / TAA Compliant for GSA Schedule purchases
- 3kVA / 3000VA line interactive 2U rack/tower UPS; Sine wave output
- 230V nominal output during brownouts to 151V and overvoltages to 282V
- USB, RS232, EPO & optional SNMP/Web card are available for simultaneous use
- Detailed status LEDs; 3 switched output load banks
- C20 inlet; 8 C13 & 1 C19 outlets; Includes 3 C13 to C14 cables

# **Package Includes**

- SMX3000RT2UTAA UPS System
- PowerAlert software with USB and DB9 cables
- Mounting hardware for 4 post rackmount applications
- Cable for Emergency Power Off interface
- Instruction manual with warranty information



- Supports 2U rackmount installation in 4 post equipment racks, 2 post rackmount installation requires 2POSTRMKITWM, upright tower installation requires 2-9USTAND accessory
- Large internal batteries support a half load of 1500VA for 11 minutes and a full load of 3000VA for 4 minutes
- Extended runtime is available with optional BP48V24-2U / BP48V242UTAA (limit 1) OR BP48V60RT3U / BP48V60RT3UTAA (no limit)
- Some external battery configurations require the use of Tripp Lite's External Battery Configuration Software (see manual)
- Maintains regulated 230V nominal output during brownouts and overvoltages from 151 to 282V
- Includes 9 UPS supported outlets arranged in 3 individually controllable load banks (2 outlets per bank) that can be powered off and back on again via software interface
- IEC320-C20 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles
- PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, email notification, event logging and running user-defined script commands
- Offers simultaneous monitoring through included USB and DB9 interface ports, or the monitoring by any number of additional servers over IP
- Emergency Power Off (EPO) interface with cable
- Supports Tripp Lite's WatchDog software application (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
- UPS battery set ships fully assembled, no time consuming connection of internal batteries by user is necessary

# **Specifications**

OVERVIEW			
UPC Code	037332153364		
UPS Type	Line-Interactive		
INPUT			
Nominal Input Voltage(s) Supported	230V AC		
UPS Input Connection Type	C20 inlet		
UPS Input Connection Description	IEC320-C20 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles		
Input Circuit Breakers	20A		
Input Phase	Single-Phase		
OUTPUT			
Output Capacity (VA)	3000		
Output Capacity (kVA)	3		
Output Capacity (Watts)	2250		



Output Capacity (kW) 2.2  Power Factor 0.8  Nominal Voltage Details 230v nominal inverter output voltage  Frequency Compatibility 50 / 60 Hz  Output Voltage Regulation (Line Mode) -15%, +8%  Output Voltage Regulation (Battery Mode) +/- 5%  Included Output Power Cables Includes 3 C13 to C14 output power cables  Load Management Receptacles Includes 3 C13 to C14 output power cables  Load Management Receptacles Three switchable two-outlet C13 load banks  Output Circuit Breakers 10A (x2) - each breaker protects 4 C13 outlets, C19 outlet is unbreaker  Output AC Waveform (Battery Pure Sine wave Output AC Waveform (Battery Pure Sine wave Output AC Waveform (Battery Pure Sine wave Output Receptacles (8) C13; (1) C19  Individually Controllable Load Banks No  BATTERY  Runtime Full Load (min.) 4 min. (2250w)  Runtime Half Load (min.) 11 min. (1125w)  Expandable Runtime Yes  External Battery Pack Compatibility Cabling-select-UPS-Systems-BP48V24-2U-Sa-Rosty-Pack Systems-BP48V6RRT-3U-sa-Snitsp; (multi-pack of Sy	
Nominal Voltage Details  Frequency Compatibility  50 / 60 Hz  Output Voltage Regulation (Line Mode)  -15%, +8%  Output Voltage Regulation (Battery Mode)  Included Output Power Cables  Load Management Receptacles  Three switchable two-outlet C13 load banks  Output Circuit Breakers  Output AC Waveform (AC Mode)  Sine wave  Output AC Waveform (Battery Mode)  Nominal Output Voltage(s) Supported  Output Receptacles  (8) C13; (1) C19  Individually Controllable Load Banks  BATTERY  Runtime Full Load (min.)  4 min. (2250w)  Runtime Half Load (min.)  11 min. (1125w)  Expandable Runtime  Yes  External Battery Pack Compatibility  Absp: -a class="productLink" htef="//tripplite.eaton.com/External-48">Load Markay-Dave Leas-Anbasp; (multi-pack of Systems-BP48V46-21-3-8nbasp; (multi-pack of Systems-BP48V60RT-3U-/a-8nbasp; (multi	
Frequency Compatibility  50 / 60 Hz  Output Voltage Regulation (Line Mode)  -15%, +8%  Output Voltage Regulation (Battery Mode)  Included Output Power Cables  Includes 3 C13 to C14 output power cables  Load Management Receptacles  Three switchable two-outlet C13 load banks  Output Circuit Breakers  Output AC Waveform (AC Mode)  Sine wave  Output AC Waveform (Battery Mode)  Nominal Output Voltage(s)  Supported  Output Receptacles  (8) C13; (1) C19  Individually Controllable Load Banks  BATTERY  Runtime Full Load (min.)  4 min. (2250w)  Runtime Half Load (min.)  11 min. (1125w)  Expandable Runtime  Yes  External Battery Pack Compatibility  Arbspa class="productLink" href="//tripplite.eaton.com/External-48V-Suka-Xu-Va-Sa-hsbsp; (multi-pack of Systems-BP48V4-Zu'-Sa-Rhsbp; (multi-pack of Systems-BP48V4-Zu	
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Included Output Power Cables  Load Management Receptacles  Three switchable two-outlet C13 load banks  Output Circuit Breakers  Output AC Waveform (AC Mode)  Sine wave  Output AC Waveform (Battery Mode)  Nominal Output Voltage(s)  Supported  Output Receptacles  (8) C13; (1) C19  Individually Controllable Load Banks  BATTERY  Runtime Full Load (min.)  Runtime Half Load (min.)  Expandable Runtime  Yes  External Battery Pack Compatibility  Cabling-select-UPS-Systems-BP48V24-2U'-SBP48V24-2U-/as-  reductive systems-BP48V60RT-3U-/as-  (multi-pack compatibility packs)  DC System Voltage (VDC)  Battery Recharge Rate (Included Battery Select-Urgenes)  Battery Access  Front panel battery access door  Internal UPS Replacement Battery Cartridge  Battery Replacement Description  Automatic voltage regulation (AVR) maintains line power operation with voltage regulation (AVR) maintains line voltage regulation (AVR) maintains line voltage regulation (AVR) maintains line voltage regulation (AVR) mainta	
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Output AC Waveform (Battery Mode)  Nominal Output Voltage(s) Supported  220V; 230V; 240V  Output Receptacles  (8) C13; (1) C19  Individually Controllable Load Banks  No  BATTERY  Runtime Full Load (min.)  4 min. (2250w)  Runtime Half Load (min.)  11 min. (1125w)  Expandable Runtime  Yes  External Battery Pack Compatibility  &hbsp <a a="" class="productLink" external-48v-3u-="" href="//tripplite.eaton.com/External-48V-2U-/a&gt;&amp; hosp href=" productlink"="" tripplite.eaton.com="">&amp; hosp href="//tripplite.eaton.com/External-48V-3U-/a&gt;&amp; hosp href="//tripplite.eaton.com/Ex</a>	
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Cabling-select-UPS-Systems~BP48V24-2U">BP48V24-2U&nbsphref="//tripplite.eaton.com/External-48V-3U-Rack-Tower-Battery-Pack Systems~BP48V60RT-3U">BP48V60RT-3U  (multi-pack of Systems Voltage (VDC)  Battery Recharge Rate (Included Batteries)  Less than 4.5 hours from 10% to 90%  Battery Access  Front panel battery access door  Internal UPS Replacement Battery Cartridge <a class="productLink" href="//tripplite.eaton.com/2U-UPS-Repselect-Tripp-Lite-SmartPro-UPS~RBC94-2U">RBC94-2U"&gt;RBC94-2U"&gt;RBC94-2U"&gt;RBC94-2U"&gt;RBC94-2U"&gt;RBC94-2U</a> Battery Replacement Description  Voltage Regulation Description  Automatic voltage regulation (AVR) maintains line power operation with the selection of the power operation with the selection of the product of	
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Batteries)  Battery Access  Front panel battery access door  Internal UPS Replacement Battery Cartridge <a class="productLink" href="//tripplite.eaton.com/2U-UPS-Repselect-Tripp-Lite-SmartPro-UPS~RBC94-2U">RBC94-2U"&gt;RBC94-2U"&gt;RBC94-2U"&gt;RBC94-2U</a> Battery Replacement Description  Hot-swappable, user replaceable batteries  VOLTAGE REGULATION  Voltage Regulation Description  Automatic voltage regulation (AVR) maintains line power operation with	
Internal UPS Replacement Battery Cartridge <a class="productLink" href="//tripplite.eaton.com/2U-UPS-Repselect-Tripp-Lite-SmartPro-UPS~RBC94-2U">RBC94-2U</a> Battery Replacement Description  Hot-swappable, user replaceable batteries  VOLTAGE REGULATION  Voltage Regulation Description  Automatic voltage regulation (AVR) maintains line power operation with	
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VOLTAGE REGULATION  Voltage Regulation Description  Automatic voltage regulation (AVR) maintains line power operation with	placement-48VDC-Battery-Cartridge-1-set-4-
Voltage Regulation Description  Automatic voltage regulation (AVR) maintains line power operation with	
Overvoltage Correction Input voltages between 245 and 282 are reduced by 12%	ith an input voltage range of 151 to 282
Undervoltage Correction Input voltages between 181 and 199 are boosted by 12%	
Severe Undervoltage Correction Input voltages between 151 and 180 are boosted by 24%	



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	480
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Rackmount
Rack Height	2U
Cooling Method	Fan
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-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM">2POSTRMKITWM</a> ); Wallmount ( <a class="productLink" href="//tripplite.eaton.com/2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM">2POSTRMKITWM</a> ); Tower ( <a class="productLink" href="//tripplite.eaton.com/2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND">2-9USTAND"&gt;2-9USTAND</a> )
Primary UPS Depth (mm)	483
Primary UPS Height (mm)	89
Primary UPS Width (mm)	445
Shipping Dimensions (hwd / in.)	9.00 x 23.50 x 20.00
Shipping Dimensions (hwd / cm)	22.86 x 59.69 x 50.80
Shipping Weight (lbs.)	72.60
Shipping Weight (kg)	32.93
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	8.89 x 44.45 x 48.26
UPS Power Module Dimensions (hwd, in.)	3.5 x 17.5 x 19
UPS Power Module Weight (kg)	29.03
UPS Power Module Weight (lbs.)	64



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		
AC Mode BTU / Hr. (Full Load)	236.6		
Battery Mode BTU / Hr. (Full Load)	1245.3		
AC Mode Efficiency Rating (100% Load)	97%		
COMMUNICATIONS			
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions; 1 USB port, 1 DB9 serial and 1 SNMP accessory slot.		
PowerAlert Software	Included		
Communications Cable	USB and DB9 and EPO cabling included		
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications		
Communications Interface	USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface		
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	Hot swappable batteries		
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks		
Grounding Lug	Back panel grounding lug		
WARRANTY & SUPPORT			
Product Warranty Period (International)	2-year limited warranty		
Product Warranty Period (Mexico)	2-year limited warranty		
Product Warranty Period (Puerto Rico)	2-year limited warranty		







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