

## TAA SmartPro 120V 1kVA 800W Line-Interactive Sine Wave UPS, 1U, Network Card Options, USB, 6 Outlets, ENERGY STAR

MODEL NUMBER: **SM1000RM1UTAA**



### Description

The SM1000RM1UTAA SmartPro 120V 1kVA 800W Line-Interactive Sine Wave UPS provides battery backup and AC power protection against blackouts, brownouts, power surges and line noise that can damage electronics or destroy data. Ideal for backing up servers and network storage devices, the SM1000RM1UTAA switches to 1kVA/800W battery mode in milliseconds to keep your connected equipment running long enough to save files and shut down safely with no data loss.

Two of the six NEMA 5-15R outlets may be switched off remotely to reboot equipment or shed nonessential loads to maximize battery backup time for mission-critical equipment. The internal battery provides 14 minutes of support at half load (400W) and four minutes at full load (800W). Operating with a high 99% line mode efficiency, the ENERGY STAR-certified SM1000RM1UTAA saves you money by meeting strict EPA guidelines.

Automatic voltage regulation (AVR) maintains 120V nominal output over an input range of 83V to 147V without using battery power. EMI/RFI noise filtering improves your equipment's performance and prevents damage. A 450-joule surge suppression rating protects your equipment from harmful power surges. With Tripp Lite's PowerAlert® software, available via free download, the SM1000RM1UTAA enables safe unattended system shutdown and file saves in case of a prolonged power failure. Compatible with Tripp Lite UPS management card options, including TLNETCARD, WEBCARDLX and SNMPWEBCARD.

### Features

Protects Mission-Critical Rack-Mounted Equipment

- Provides fully regulated sine wave AC output for servers, network storage devices and telecom hardware
- Audible alarm signals loss of utility power, overload and low battery

### Highlights

- Corrects under- and overvoltages from 83V to 147V
- 6 NEMA 5-15R outlets—2 switchable via network interface
- Network power management and control capability
- Meets strict ENERGY STAR efficiency guidelines
- 14 min. runtime at half load; 4 min. at full load

### Package Includes

- SM1000RM1UTAA SmartPro 120V 1kVA 800W Line-Interactive Sine Wave UPS
- USB cable
- DB9 cable
- EPO cable
- Mounting hardware
- Owner's manual

- 6 NEMA 5-15R outlets
- 10 ft. power cord with 120V NEMA 5-15P input
- 450-joule surge suppression rating

#### Reliable Battery Backup

- Supports half load up to 14 min. and full load up to 4 min.
- Internal batteries designed for hot-swap field replacement

#### Switchable Outlets

- 2 load banks, each with one outlet controllable remotely to reboot equipment or shed nonessential loads

#### Automatic Voltage Regulation (AVR)

- Maintains 120V nominal output over input range of 83V–147V without using battery power

#### EMI/RFI Line Noise Filtering

- Removes electromagnetic and radio frequency interference that can disrupt or damage equipment's performance

#### ENERGY STAR Certification

- 99% line mode efficiency saves money and energy and protects environment by meeting strict EPA efficiency guidelines

#### LED Indicators

- Front-panel LEDs signal power, voltage correction, load level and battery charge state

#### Optional Network Management Cards

- Compatible with Tripp Lite UPS management cards, including TLNETCARD, WEBCARDLX and SNMPWEBCARD

#### Communications Ports

- USB and DB9 ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from [www.tripplite.com/poweralert](http://www.tripplite.com/poweralert)
- EPO port supports emergency shutdown in large facilities

#### Versatile Installation Options

- Hardware included for mounting in 1U of EIA-standard 19 in. 2- or 4-post rack
- Optional 4POSTRAILKIT1U accessory available for extra support in 4-post installations

#### TAA Compliant

- Complies with Federal Trade Agreements Act (TAA) for GSA Schedule purchases

## Specifications

MODEL TEXT	
What Does This Product Do?	Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Ideal solution for servers, storage devices and telecom hardware.
OUTPUT	
Output Volt Amp Capacity (VA)	1000
Output kVA Capacity (kVA)	1
Output Watt Capacity (Watts)	800
Power Factor	0.8
Nominal Output Voltage(s) Supported	110V; 115V; 120V
Nominal Voltage Details	120v nominal output in battery mode
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-21%, +8%
Output Voltage Regulation (Battery Mode)	+/- 5%
Output Receptacles	(6) 5-15R
Load Management Receptacles	Two switchable single-outlet 5-15R load banks
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
INPUT	
Rated input current (Maximum Load)	9.0A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
Input Circuit Breakers	15A
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.0
Recommended Electrical Service	15A 120V
Input Phase	Single-Phase
BATTERY	
Full Load Runtime (min.)	4 min. (800w)
Half Load Runtime (min.)	14 min. (400w)
DC System Voltage (VDC)	24

Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90%
Internal UPS Replacement Battery Cartridge	&nbsp;<a class="productLink" href="//www.tripplite.com/1U-UPS-Replacement-Battery-Cartridge-select-Tripp-Lite-SmartPro-UPS~RBC69-1U">RBC69-1U</a>&nbsp;
Battery Access	Front panel battery access door
Battery Replacement Description	Hot-swappable, user replaceable batteries
Expandable Runtime	No
<b>VOLTAGE REGULATION</b>	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 83 to 147
Overvoltage Correction	Input voltages between 128 and 147 are reduced by 12%
Undervoltage Correction	Input voltages between 83 and 107 are boosted by 14%
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
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
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC Suppression Joule Rating	450
UPS Dataline Suppression	1 line TEL/DSL or Ethernet
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
<b>PHYSICAL</b>	
Included Mounting Accessory Description	Included mounting brackets support 2 and 4 post rackmount installation; Optional 4POSTRAILKIT1U is available for additional support
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount; 2 post 19 inch rackmount
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	1.75 x 17.5 x 16.75
UPS Power Module Dimensions (hwd, cm)	4.44 x 44.45 x 42.54
Rack Height (U Spaces)	1
Minimum Required Rack Depth (inches)	19.8
Minimum Required Rack Depth (cm)	50.29
UPS Power Module Weight (lbs.)	32

UPS Power Module Weight (kg)	14.51
Stepdown Transformer Dimensions (hwd / in.)	
Stepdown Transformer Dimensions (hwd / cm)	
Included Battery Pack Dimensions (hwd / in.)	
Included Battery Pack Dimensions (hwd / cm)	
Shipping Dimensions (hwd / in.)	6.250 x 23.500 x 22.500
Shipping Dimensions (hwd / cm)	15.88 x 59.69 x 57.15
Shipping Weight (lbs.)	36.0000
Shipping Weight (kg)	16.33
Cooling Method	Fan
UPS Housing Material	Steel
Primary UPS Height (mm)	444
Primary UPS Width (mm)	4,445
Primary UPS Depth (mm)	4,254
<b>ENVIRONMENTAL</b>	
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)	39
Battery Mode BTU / Hr. (Full Load)	816
AC Mode Efficiency Rating (100% Load)	99%
<b>COMMUNICATIONS</b>	
Communications Interface	USB; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
Network Management Cards	SNMPWEBCARD; TLNETCARD; WEBCARDLX
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	For local monitoring via the UPS's built-in USB or DB9 ports, download PowerAlert Local software at <a href="http://www.tripplite.com/poweralert">http://www.tripplite.com/poweralert</a>
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
<b>LINE / BATTERY TRANSFER</b>	
Transfer Time	5 milliseconds AC to DC; 1 millisecond DC to AC

Low Voltage Transfer to Battery Power (Setpoint)	83
High Voltage Transfer to Battery Power (Setpoint)	147
<b>SPECIAL FEATURES</b>	
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
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
<b>CERTIFICATIONS</b>	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI); TAA Compliant; ENERGY STAR Qualified
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	2-year warranty, 3 year with registration. Note:&nbsp;<a class="insuranceLink" href="//www.tripplite.com/support/product-warranty-registration">Registration is required</a>&nbsp;for 3-year warranty.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000&nbsp;<a class="insuranceLink" href="//www.tripplite.com/support/insurance-policy">Ultimate Lifetime Insurance</a>&nbsp;

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