

TAA-Compliant SmartPro 120V 1kVA .8kW Line-Interactive Sine Wave UPS, SNMP, Webcard, 1U Rack, USB, DB9 Serial

MODEL NUMBER: **SM1000RM1UTAA**



Description

Tripp Lite SM1000RM1UTAA 1000VA / 1kVA / 800 watt line interactive, sine wave UPS system offers complete power protection for critical network applications in a highly efficient 1U total rack/tower configuration. Simultaneous-use network management interfaces include USB, RS-232 and optional SNMP/Web accessory card. Line interactive voltage regulation, network-grade surge suppression and long-lasting sine wave AC output during blackouts make this UPS ideal for advanced networking applications in datacenters, computer rooms and network closets.

Features

- Federal Trade Agreements Act / TAA Compliant for GSA Schedule purchases
- Tripp Lite SM1000RM1UTAA 1kVA / 1000VA / 800 watt line interactive UPS
- 1U rack/tower compatible form factor
- Included mounting brackets support 2 and 4 post rackmount installation; Optional 4POSTRAILKIT1U is available for additional support
- NEMA 5-15P input; 6 5-15R output receptacles
- Installed depth of only 16.75 in. / 42.5cm
- Sine wave output in both AC and battery backup modes
- Line Interactive UPS provides Automatic Voltage Regulation / AVR to maintain 120V nominal output during brownouts to 83V and overvoltages to 147V without using battery power
- Full load efficiency rating of 99% saves energy and ensures cool operating temperatures
- Integrated 2 bank switched PDU enables remote outlet management for load shedding or remote reboot of individual devices
- PowerAlert monitoring software offers detailed site power and UPS updates with support for safe auto-shutdown of connected systems as UPS batteries become depleted
- Includes Free PowerAlert monitoring software packages; PowerAlert LOCAL for desktops and small business networks, PowerAlert NSA (Network Shutdown Agent) for larger networks and PowerAlert NMS (Network Management System) for monitoring up to 250 SNMP-enabled UPS, PDU and other

Highlights

- Federal Trade Agreements Act / TAA Compliant for GSA Schedule purchases
- 1kVA / 1000VA / 800W line interactive 1U rackmount UPS, Sine Wave
- 120V output, Corrects brownouts and overvoltages from 83V to 147V
- 0.8 Power Factor, Front panel status LEDs
- 99% line-mode efficiency, 2 switched load banks
- USB, RS232, EPO and slot for SNMPWEBCARD option
- 120V NEMA 5-15P input, 6 NEMA 5-15R outlets
- **This product is ENERGY STAR qualified for its ability to save customers money while helping to protect the environment**

Package Includes

- SM1000RM1UTAA UPS System
- Mounting hardware
- Cabling for USB & DB9 monitoring and EPO switching
- PowerAlert unattended shutdown and UPS/Power monitoring software
- Instruction manual



networking devices

- Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via built-in RS-232 and USB interfaces
- Optional SNMPWEBCARD offers communications and control via secure remote web and network interfaces
- 3 stage metered LEDs offer current monitoring and battery charge level
- Mains power and voltage regulation LEDs offer at-a-glance power status information
- Front panel switches support self-test and alarm cancel functions
- Field replaceable, hot-swappable internal UPS batteries

Specifications

| 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 | 120V |
| 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 |
| Recommended Electrical Service | 15A 120V |
| Input Cord Length (ft.) | 10 |
| Input Cord Length (m) | 3 |
| 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 | RBC69-1U |
| Battery Access | Front panel battery access door |
| 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 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% |
| 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 | 450 joules |
| UPS Dataline Suppression | 1 line TEL/DSL or Ethernet |
| EMI / RFI AC Noise Suppression | Yes |
| AC Suppression Response Time | Instantaneous |
| PHYSICAL | |
| Installation Form Factors Supported with Included Accessories | 4 post 19 inch rackmount; 2 post 19 inch rackmount |
| Included Mounting Accessory Description | Included mounting brackets support 2 and 4 post rackmount installation; Optional 4POSTRAILKIT1U is available for additional support |
| Primary Form Factor | Rackmount |
| UPS Power Module Dimensions (hwd, in.) | 1.7 x 17.5 x 16.8 |
| UPS Power Module Dimensions (hwd, cm) | 4.4 x 44.4 x 42.5 |
| Rack Height (U Spaces) | 1 |
| UPS Power Module Weight (lbs.) | 32 |



| | |
|---|---|
| UPS Power Module Weight (kg) | 14.5 |
| UPS Shipping Dimensions (hwd / in.) | 6.2 x 23.5 x 22.5 |
| UPS Shipping Dimensions (hwd / cm) | 15.9 x 59.7 x 57.2 |
| Shipping Weight (lbs.) | 36 |
| Shipping Weight (kg) | 16.3 |
| Cooling Method | Fan |
| UPS Housing Material | Steel |
| ENVIRONMENTAL | |
| 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 |
| AC Mode Efficiency Rating (100% Load) | 94% |
| COMMUNICATIONS | |
| Communications Interface | USB; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface |
| Network Monitoring Port Description | Supports detailed monitoring of UPS and site power conditions |
| PowerAlert Software | Included |
| Communications Cable | USB and DB9 cabling included |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| LINE / BATTERY TRANSFER | |
| 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 |
| SPECIAL FEATURES | |
| 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 |
| CERTIFICATIONS | |



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| 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 |
| WARRANTY | |
| Product Warranty Period (Worldwide) | 2-year warranty, 3 year with registration. Note: Registration is required for 3-year warranty. |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 Ultimate Lifetime Insurance |

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