

TAA SmartPro 120V 1kVA 800W Line-Interactive Sine Wave UPS, 1U Rack/Vertical, Network Card Options, USB, 6 Outlets

MODEL NUMBER: **SM1000RM1UTAA**



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.

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 6 NEMA 5-15R outlets 10-ft. (3.05 m) 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

High Efficiency Operation 99% line mode efficiency saves money and energy and protects the environment

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, such as WEBCARDLX

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 EPO port supports emergency shutdown in large facilities

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
- 99% efficiency rating saves energy and operating cost
- 14 min. runtime at half load; 4 min. at full load
- 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

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

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
Compatible with vertical mount cabinets

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

Specifications

| OVERVIEW | |
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| UPC Code | 037332184184 |
| UPS Type | Line-Interactive |
| 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) | 3.1 |
| Recommended Electrical Service | 15A 120V |
| Input Phase | Single-Phase |
| OUTPUT | |
| Output Capacity (VA) | 1000 |
| Output Capacity (kVA) | 1 |
| Output Capacity (Watts) | 800 |
| Output Capacity (kW) | 0.8 |
| Power Factor | 0.8 |
| 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% |
| Load Management Receptacles | Two switchable single-outlet 5-15R load banks |
| Output AC Waveform (AC Mode) | Pure Sine wave |
| Output AC Waveform (Battery Mode) | Pure Sine wave |
| Nominal Output Voltage(s) Supported | 110V; 115V; 120V |

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| Output Receptacles | (6) 5-15R |
| Individually Controllable Load Banks | Yes |
| BATTERY | |
| Battery Type | Valve Regulated Lead Acid (VRLA) |
| Runtime Full Load (min.) | 4 min. (800W) |
| Runtime Half Load (min.) | 14 min. (400W) |
| Expandable Runtime | No |
| DC System Voltage (VDC) | 24 |
| 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 | RBC69-1U |
| 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 |
| UPS Dataline Suppression | 1 line TEL/DSL or Ethernet |
| EMI / RFI AC Noise Suppression | Yes |
| AC Suppression Response Time | Instantaneous |
| PHYSICAL | |
| Primary Form Factor | Rackmount; Vertical |
| Rack Height | 1U |
| Cooling Method | Fan |

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| Included Mounting Accessory Description | Included mounting brackets provide front-rail installation in 2 or 4 post racks; For additional stability in 4 post racks, consider optional 4 post mounting accessories 4POSTRAILKIT1U & 4POSTRAILKITWM |
| Installation Form Factors Supported with Included Accessories | 2 post 19 inch rackmount; 2 post front mount; 4 post 19 inch rackmount |
| Installation Form Factors Supported with Optional Accessories | Vertical Mount Enclosures (SRWF5U36); SRWF5U ; SRWF10UMOD) |
| Minimum Required Rack Depth (cm) | 50.16 |
| Minimum Required Rack Depth (inches) | 19.75 |
| Optional Mounting Accessory Notes | Optional 4POSTRAILKITWM ; enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm); Optional 4POSTRAILKIT1U ; enables installation in 4-post full-depth racks from 20.5 to 36 inches (521 to 914mm) |
| Primary UPS Depth (mm) | 425 |
| Primary UPS Height (mm) | 44 |
| Primary UPS Width (mm) | 445 |
| Shipping Dimensions (hwd / in.) | 6.25 x 23.50 x 22.50 |
| Shipping Dimensions (hwd / cm) | 15.88 x 59.69 x 57.15 |
| Shipping Weight (lbs.) | 36.00 |
| Shipping Weight (kg) | 16.33 |
| UPS Housing Material | Steel |
| UPS Power Module Dimensions (hwd, cm) | 4.44 x 44.45 x 42.54 |
| UPS Power Module Dimensions (hwd, in.) | 1.75 x 17.5 x 16.75 |
| UPS Power Module Weight (kg) | 14.51 |
| UPS Power Module Weight (lbs.) | 32 |
| 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) | 99% |
| Audible Noise | 45 dBA maximum, front side 1m |
| COMMUNICATIONS | |

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| 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 https://www.tripplite.com/poweralert |
| Communications Cable | USB and DB9 cabling included |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| Network Management Card Description | Network management card optional |
| Communications Interface | DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB |
| 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 |
| FEATURES & SPECIFICATIONS | |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| High Availability UPS Features | Auto Probe Monitoring and Reboot (requires WEBCARDLX); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Sine wave output; Surge/noise protection |
| Green Energy-Saving Features | Greater than 95% efficiency - GREEN UPS; Individually controllable load banks |
| Grounding Lug | Back panel grounding lug |
| STANDARDS & COMPLIANCE | |
| 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 |