# SmartPro 120V 1.5kVA 1000W Line-Interactive Sine Wave UPS, 2U Rack/Tower, LCD Display, USB, DB9 Serial

MODEL NUMBER: **SMC15002URM**

## Highlights

- 1.5kVA / 1500VA / 1000W line interactive 2U rack/tower UPS, Sine Wave
- 120V output, Corrects brownouts and overvoltages from 83V to 147V
- Interactive LCD interface, 2/4 post rackmount accessories
- USB, RS232 and EPO communications, 94% line-mode efficiency
- 120V NEMA 5-15P input, 8 NEMA 5-15R outlets

## Package Includes

- SMC15002URM UPS System
- USB cable
- UPSHDEARKIT 2 & 4 post rackmount installation hardware
- Instruction manual

## Description

Tripp Lite SmartPro Line Interactive UPS with enhanced LCD interface offers network-grade power protection for critical server, network and telecommunications equipment. Line Interactive Uninterruptible Power Supply (UPS) with built-in Auto-Voltage Regulation (AVR) actively corrects brownouts and overvoltages back to usable levels while maintaining a full battery charge in case of power failure. Interactive LCD interface reports UPS operating mode, detailed UPS and site-power data, plus enables a variety of UPS setup and configuration options. Super-fast switchover from line to battery power occurs within milliseconds to maintain operation of connected equipment without interruption or reboot. 94% line-mode efficiency offers reduced heat emissions and operating costs. USB and RS-232 ports work with PowerAlert software to communicate detailed UPS status and site power conditions. HID-compliant USB port enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Communications ports enable detailed monitoring of equipment load levels, self-test data and utility power conditions. PowerAlert UPS monitoring and control software is available for free download from www.tripplite.com. Emergency Power Off (EPO) interface. LCD display panel easily rotates for viewing in rackmount or tower configurations. Audible alarm with push-button momentary alarm-cancel and silent-mode configuration options. Programmable self-test. Field-replaceable, hot-swappable internal batteries.

## Features

- Tripp Lite SMC15002URM line interactive 2U rack/tower UPS with 1500VA / 1.5kVA / 1000W capacity
- Line interactive UPS with Automatic Voltage Regulation(AVR) corrects brownouts and overvoltages from 83 to 147V
- NEMA 5-15P input plug; 8 NEMA 5-15R output receptacles
- Maintains uninterrupted operation of connected networking equipment during blackouts, surges, brownouts and overvoltages
- High 94% efficiency rating in line-power mode offers reduced power consumption and BTU emissions
- Internal batteries offer 17.7 minutes at 50% load(500W) and 6.5 minutes at 100% load(1000W)
- Hot-swappable, user-replaceable internal batteries can be replaced with no disruption to connected equipment
- Intelligent battery management system extends battery life
- Front panel LCD monitoring screen with MODE and ENTER buttons reports operating mode with 5-bar battery charge graphic, plus 7 selectable screens of detailed UPS and site power information
- LCD interface also supports a number of advanced user setup and operating preferences

- Ships with rackmount installation hardware for two-point front-mount installation in 2 or 4 post racks or two-point center-mount installation in 2 post racks; Optional 2-9USTAND enables tower placement; Optional 2POSTRMKITWM enables wallmount installation; 4POSTRAILKIT enables 4 post rackmount installation with adjustable support rails
- Built-in USB and RS-232 communications ports
- HID-compliant USB port enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Included PowerAlert UPS monitoring software; Built-in Emergency Power Off(EPO) interface

# Specifications

| OUTPUT | |
|---|---|
| Output Volt Amp Capacity (VA) | 1500 |
| Output kVA Capacity (kVA) | 1.5 |
| Output Watt Capacity (Watts) | 1000 |
| 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 | (8) 5-15R |
| Output AC Waveform (AC Mode) | Sine wave |
| Output AC Waveform (Battery Mode) | Pure Sine wave |

| INPUT | |
|---|---|
| Rated input current (Maximum Load) | 12A |
| 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 |
| Recommended Electrical Service | 15A 120V |
| Input Phase | Single-Phase |

| BATTERY | |
|---|---|
| Full Load Runtime (min.) | 6.5 min. (1000w) |
| Half Load Runtime (min.) | 17.7 min. (500w) |
| DC System Voltage (VDC) | 36 |

| Battery Recharge Rate (Included Batteries) | Less than 4.5 hours from 10% to 90% (typical, full load discharge) |
|---|---|
| Internal UPS Replacement Battery Cartridge | RBC93-2U |
| Battery Access | Front panel battery access door |
| Battery Replacement Description | Hot-swappable, user replaceable batteries |
| Expandable Runtime | No |

| **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** | |
|---|---|
| Front Panel LCD Display | Front panel LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, operating mode, alarm function and a variety of additional options (see manual for detailed LCD configuration and monitoring options) |
| Switches | 3 pushbutton switches control OFF / ON power status, MODE selection and MUTE / ENTER control functions |
| Alarm Cancel Operation | Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available |
| Audible Alarm | Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions |

| **SURGE / NOISE SUPPRESSION** | |
|---|---|
| UPS AC Suppression Joule Rating | 570 |
| UPS AC Suppression Response Time | Instantaneous |
| EMI / RFI AC Noise Suppression | Yes |

| **PHYSICAL** | |
|---|---|
| Included Mounting Accessory Description | Includes UPSHDEARKIT for 2 point front-mount and 2 point center-mount rackmount installation in 2 and 4 post racks, plus wallmount installation |
| Installation Form Factors Supported with Optional Accessories | 4 post rackmount(4POSTRAILKIT); Tower(2-9USTAND); Wallmount(2POSTRMKITWM) |
| Primary Form Factor | Rackmount |
| UPS Power Module Dimensions (hwd, in.) | 3.45 x 17.3 x 13.45 |
| UPS Power Module Dimensions (hwd, cm) | 8.8 x 45.6 x 34.2 |
| Rack Height (U Spaces) | 2 |
| UPS Power Module Weight (lbs.) | 46.5 |
| UPS Power Module Weight (kg) | 21.1 |

| UPS Shipping Dimensions (hwd / in.) | 8.8 x 20 x 23.5 |
| --- | --- |
| UPS Shipping Dimensions (hwd / cm) | 22.4 x 50.8 x 59.7 |
| Shipping Weight (lbs.) | 58.5 |
| Shipping Weight (kg) | 26.6 |
| 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) | 223 |
| AC Mode Efficiency Rating (100% Load) | 94% |
| Operating Elevation (ft.) | 0-3000M (0-10,000 Ft) |
| Audible Noise | 45 dBA max at 1m frontside |
| Operating Elevation (m) | 0 - 3000 m |

| **COMMUNICATIONS** | |
| --- | --- |
| Communications Interface | DB9 Serial; EPO (emergency power off); USB |
| Network Monitoring Port Description | Supports detailed monitoring of UPS and site power conditions |
| PowerAlert Software | Available via free download from www.tripplite.com |
| Communications Cable | USB cabling included |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| Network UPS Tools Compatibility | NUT compatible. See the full list of Tripp Lite NUT compatible UPS systems at http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite |

| **LINE / BATTERY TRANSFER** | |
| --- | --- |
| Transfer Time | 5 milliseconds (AC to battery), 1 milliseconds (Battery 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 |
|---|---|
| **CERTIFICATIONS** | |
| UPS Certifications | Meets FCC Part 15 Category A (EMI); Tested to CSA (Canada); Tested to NOM (Mexico); Tested to UL1778 (USA) |
| **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 |