

SmartPro 120V 1kVA 700W Line-Interactive Sine Wave UPS, 2U Rack/Tower, LCD Display, USB, DB9 Serial

MODEL NUMBER: **SMC10002URM**



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. 95% 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 SMC10002URM line interactive 2U rack/tower UPS with 1000VA / 1kVA / 700W capacity
- Line interactive UPS with Automatic Voltage Regulation(AVR) corrects brownouts and overvoltages from 83 to 147V
- NEMA 5-15P input plug; 6 NEMA 5-15R output receptacles
- Maintains uninterrupted operation of connected networking equipment during blackouts, surges, brownouts and overvoltages
- High 95% efficiency rating in line-power mode offers reduced power consumption and BTU emissions
- Internal batteries offer 15.6 minutes at 50% load(350W) and 6.4 minutes at 100% load(700W)
- 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

Highlights

- 1kVA / 1000VA / 700W 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, 95% line-mode efficiency
- 120V NEMA 5-15P input, 6 NEMA 5-15R outlets

Package Includes

- SMC10002URM UPS System
- USB cable
- [UPSHDEARKIT](#) 2 & 4 post rackmount installation hardware
- Instruction manual



- 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)	1000
Output kVA Capacity (kVA)	1.0
Output Watt Capacity (Watts)	700
Power Factor	0.7
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
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
INPUT	
Rated input current (Maximum Load)	9.2A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
Input Circuit Breakers	10A
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.)	6.4 min. (700w)
Half Load Runtime (min.)	15.6 min. (350w)



DC System Voltage (VDC)	24
Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90% (typical, full load discharge)
Internal UPS Replacement Battery Cartridge	RBC24V-LCD
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(2-9U STAND); Wallmount(2POSTRMKITWM)
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	3.45 x 17.35 x 12.5
UPS Power Module Dimensions (hwd, cm)	8.8 x 44.1 x 31.75
Rack Height (U Spaces)	2
UPS Power Module Weight (lbs.)	35.4



UPS Power Module Weight (kg)	16.1
UPS Shipping Dimensions (hwd / in.)	8.8 x 22.9 x 18.6
UPS Shipping Dimensions (hwd / cm)	22.4 x 58.2 x 51.4
Shipping Weight (lbs.)	42.5
Shipping Weight (kg)	19.3
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)	122
AC Mode Efficiency Rating (100% Load)	95%
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	4 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



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Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries
CERTIFICATIONS	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category B (EMI)
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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