

SmartPro 100/110/120V 1kVA 650W Line Interactive Sine Wave UPS, Tower, USB, RS232

MODEL NUMBER: **SMC1000T**



Highlights

- 1kVA / 1000VA line interactive tower UPS
- Sine wave 100/110/120V nominal output
- USB & RS232 communications, 95% efficiency
- 1 line TEL / Network surge suppression
- NEMA 5-15P input, 8 NEMA 5-15R outlets

Package Includes

- SMC1000T UPS System
- USB cable
- Instruction manual

Description

Tripp Lite SmartPro Line Interactive Sine Wave Tower UPS 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. Features 3-stage metered current monitoring and battery charge status LEDs. 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. Network management interfaces support communications via USB and RS-232 network interfaces. HID-compliant USB port enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Network 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. Audible alarm with push-button momentary alarm-cancel. Programmable self-test. Field-replaceable, hot-swappable internal batteries.

Features

- Tripp Lite SMC1000T 100/110/120V line-interactive sine wave tower UPS with 1kVA / 1000VA capacity
- Line-interactive UPS with Automatic Voltage Regulation (AVR) corrects brownouts and overvoltages from 95-145V (120V), 87-133V (110V), 83-121V (100V)
- NEMA 5-15P input plug; 8 NEMA 5-15R output receptacles (6 UPS supported, plus 2 surge-only outlets)
- 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 14.4 minutes runtime at 50% load (325 watts) and 5 minute runtime at 100% load (650 watts)
- Hot-swappable, user-replaceable internal batteries can be replaced with no disruption to connected equipment
- Front panel LEDs offer current monitoring, voltage regulation and battery charge level information
- 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
- PowerAlert UPS monitoring software is available for download from www.tripplite.com

Specifications



Tripp Lite
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OUTPUT	
Output Volt Amp Capacity (VA)	1000
Output kVA Capacity (kVA)	1
Output Watt Capacity (Watts)	650
Nominal Output Voltage(s) Supported	100V; 110V; 120V
Nominal Voltage Details	120V default (voltage selection via back panel switches)
Frequency Compatibility	50 / 60 Hz
Output Voltage Regulation (Line Mode)	-13%, + 15%
Output Voltage Regulation (Battery Mode)	+/- 5%
Output Receptacles	(8) 5-15R
UPS Output Receptacles (Surge Suppression Only)	6 UPS outlets, 2 surge-only outlets
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
INPUT	
Rated input current (Maximum Load)	6.1A (120V), 6.6A (110V), 7.2A (100V)
Nominal Input Voltage(s) Supported	100V AC; 110V AC; 120V AC
UPS Input Connection Type	5-15P
UPS Input Cord Length (ft.)	6
UPS Input Cord Length (m)	1.8
Recommended Electrical Service	15A 120V
Input Phase	Single-Phase
BATTERY	
Full Load Runtime (min.)	5.0 min. (650w)
Half Load Runtime (min.)	14.4 min. (325w)
DC System Voltage (VDC)	24
Battery Recharge Rate (Included Batteries)	Less than 3.9 hours from 10% to 90% (typical, full load discharge)
Internal UPS Replacement Battery Cartridge	RBC24-SLT
Battery Access	Battery access door
Battery Replacement Description	Hot-swappable, user replaceable batteries



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VOLTAGE REGULATION

Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 95 to 145 (120v), 87 to 133 (110v), 83 to 121 (100v)
Overvoltage Correction	Voltage reduction of 12% applies when input is 127 to 145 (120v), 116 to 133 (110v), 111 to 121 (100v)
Undervoltage Correction	Voltage boost of 14% applies when input is 95 to 108 (120v), 87 to 99 (110v), 83 to 90 (100v)

USER INTERFACE, ALERTS & CONTROLS

Switches	2 Switches control off/on power status and alarm-cancel/self-test operation; rear panel protected switches support nominal voltage selection
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch
Audible Alarm	Audible alarm indicates power failure and overload conditions
LED Indicators	Status LEDs indicate line power, battery power, AVR, overload and replace battery status - with a 3-LED level meter for load and battery charge level
Site Wiring Fault Indication	Rear panel site wiring fault LED

SURGE / NOISE SUPPRESSION

UPS AC Suppression Joule Rating	420
UPS AC Suppression Response Time	Instantaneous
UPS Dataline Suppression	1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet
EMI / RFI AC Noise Suppression	Yes

PHYSICAL

Primary Form Factor	Tower
UPS Power Module Dimensions (hwd, in.)	10.2 x 6.8 x 13.2
UPS Power Module Dimensions (hwd, cm)	26 x 17.1 x 33.7
UPS Power Module Weight (lbs.)	36
UPS Power Module Weight (kg)	16.3
UPS Shipping Dimensions (hwd / in.)	14 x 9.8 x 18.5
UPS Shipping Dimensions (hwd / cm)	35.6 x 24.8 x 47
Shipping Weight (lbs.)	39.6
Shipping Weight (kg)	18
Cooling Method	Fan
UPS Housing Material	Steel

ENVIRONMENTAL



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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	5 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	107
AC Mode Efficiency Rating (100% Load)	95%
COMMUNICATIONS	
Communications Interface	DB9 Serial; USB (HID enabled)
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	Available 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
Low Voltage Transfer to Battery Power (Setpoint)	95V (120V), 87V (110V), 83V (100V)
High Voltage Transfer to Battery Power (Setpoint)	145V (120V), 133V (110V), 121V (100V)
SPECIAL FEATURES	
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 B (EMI); ROHS (Restriction of Hazardous Substances); 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

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