Tripp Lite
1111 W. 35th Street
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Telephone: 773.869.1234
www.tripplite.com

SmartOnline 220-240V 1kVA 700W On-Line Double-Conversion UPS, Tower, C14 inlet, DB9 Serial

MODEL NUMBER: **SUINT1000XL**





Highlights

- 1000VA on-line, double-conversion, tower UPS system
- Maintains sine-wave 220/230/240V +/-2% output during overvoltages to 280V and brownouts as low as 80V (50/60Hz auto-sensing)
- Network communications supported via serial port
- Fault-tolerant auto-bypass mode and current monitoring
- C14 inlet, C13 outlets, 2 C13 to C14 power cables included

Package Includes

- SUINT1000XL UPS System
- PowerAlert Software CD-ROM
- Serial cable
- 2 IEC320 C13-to-C14 jumper cables
- Owner's manual with warranty information

Description

Tripp Lite's SmartOnline SUINT1000XL on-line, double-conversion UPS protects critical server, networking and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Space-saving upright tower format. Large capacity 1000VA/700W UPS continuously converts incoming AC to DC, then back to perfect sine wave AC output at selectable 220/230/240V AC (+/-2%). Removes harmonic distortion, fast electrical impulses, frequency fluctuations and other hard-to-solve power problems not addressed by other UPS types. True sine wave output and zero transfer time offers guaranteed compatibility with all equipment types. Includes 4 C13 outlets. Includes enhanced DB9 serial monitoring port for unattended shutdown, remote control and monitoring of UPS system and power data.

Features

- True on-line, double conversion UPS provides pure sine wave AC output at all times
- Maintains continuous operation with zero transfer time through blackouts, voltage fluctuations and surges
- Removes harmonic distortion, electrical impulses, frequency variations and other hard-to-solve power problems
- Corrects brownouts and overvoltages from 175-280V at full load. Input voltage range extends to 80-280V at 50% load or less
- 1000VA/700W power capacity with 4 C13 outlets
- IEC320-C14 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles
- Standard internal battery set provides 14 min. runtime at half load and 5 min. runtime at full load
- DB9 serial port for network interface
- PowerAlert unattended shutdown software and network cable included
- Fault tolerant electronic bypass maintains utility output during a variety of UPS fault conditions
- Diagnostic LEDs
- Optional PDUBHV10 bypass PDU enables hot-swappable UPS replacement with no disruption to connected equipment
- 2 C13 to C14 power cables included

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Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1000
Output kVA Capacity (kVA)	1
Output Watt Capacity (Watts)	700
Power Factor	0.7
Crest Factor	3:1
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Nominal Voltage Details	230V default
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Output frequency matches input nominal on startup, defaults to 50 Hz on cold-start
Output Voltage Regulation (Line Mode)	+/- 2%
Output Voltage Regulation (Economy Line Mode)	+/- 10%
Output Voltage Regulation (Battery Mode)	+/- 2%
Output Receptacles	(4) C13
Included Output Power Cables	Includes 2 C13 to C14 power cables
Hot-Swap PDU options	PDUBHV10 (2U / 8 C13 outlets)
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
INPUT	
Rated input current (Maximum Load)	3.7A (220V),3.5A (230V),3.4A (240V)
Nominal Input Voltage(s) Supported	220V AC; 230V AC; 240V AC
UPS Input Connection Type	C14 inlet
UPS Input Connection Description	IEC320-C14 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles
Input Circuit Breakers	8A
Input Phase	Single-Phase
BATTERY	
Full Load Runtime (min.)	5 min. (700w)
Half Load Runtime (min.)	14 min. (350w)
DC System Voltage (VDC)	36

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Battery Recharge Rate (Included Batteries)	Less than 4 hours from 10% to 90% (typical, full load discharge)
Battery Replacement Description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage Regulation Description	Online, double-conversion power conditioning
Overvoltage Correction	2% output voltage regulation during overvoltages to 280
Undervoltage Correction	2% output voltage regulation during undervoltages to 175
Severe Undervoltage Correction	2% output voltage regulation during undervoltages to 80 (under 50% load only)
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
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
LED Indicators	14 LEDs indicate line power, online mode, economy/bypass mode, on-battery, overload, battery low, replace battery and fault status information - includes 4-LED meter display for load and battery charge level
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	570
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Tower
UPS Power Module Dimensions (hwd, in.)	9.5 x 5.5 x 14.4
UPS Power Module Dimensions (hwd, cm)	24.1 x 14 x 36.6
UPS Power Module Weight (lbs.)	30.8
UPS Power Module Weight (kg)	14
UPS Shipping Dimensions (hwd / in.)	12.8 x 9.5 x 19.9
UPS Shipping Dimensions (hwd / cm)	32.5 x 24.1 x 50.5
Shipping Weight (lbs.)	37.4
Shipping Weight (kg)	17
Cooling Method	Fan
UPS Housing Material	Steel

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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)	264.4
AC Economy Mode BTU / Hr. (Full Load)	151.9
Battery Mode BTU / Hr. (Full Load)	387.4
AC Mode Efficiency Rating (100% Load)	90%
AC Economy Mode Efficiency Rating (100% Load)	94%
Audible Noise	< 45 dB at front side 1m
COMMUNICATIONS	
Communications Interface	DB9 Serial
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 communications
PowerAlert Software	Included
Communications Cable	DB9 cabling included
LINE / BATTERY TRANSFER	
Transfer Time	No transfer time (0 ms.) in online, double-conversion mode
Low Voltage Transfer to Battery Power (Setpoint)	175V (100% load), 80V (<50% load)
High Voltage Transfer to Battery Power (Setpoint)	280
SPECIAL FEATURES	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Automatic inverter bypass
Green Energy-Saving Features	High efficiency economy mode operation; Schedulable daily hours of economy mode operation
CERTIFICATIONS	
UPS Certifications	CE
UPS Certification Details	CE EN62040-1-1, EN62040-2 Class A
WARRANTY	

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Product Warranty Period (Worldwide)	2-year limited warranty

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