

## SmartOnline 230V 1kVA 700W Double-Conversion UPS, Tower, C14 inlet, DB9 Serial

MODEL NUMBER: **SUINT1000XL**



### 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
- Intelligent battery management system extends battery life
- DB9 serial port for network interface
- Serial port enables data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from [tripplite.eaton.com/products/power-alert](http://tripplite.eaton.com/products/power-alert)
- Fault tolerant electronic bypass maintains utility output during a variety of UPS fault conditions
- Diagnostic LEDs
- 2 C13 to C14 power cables included

### 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
- Serial cable
- 2 IEC320 C13-to-C14 jumper cables
- Owner's manual with warranty information

## Specifications

OVERVIEW	
UPC Code	037332128584
UPS Type	On-Line
INPUT	
Input Phase	Single-Phase
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
OUTPUT	
Output Capacity (VA)	1000
Output Capacity (kVA)	1
Output Capacity (Watts)	700
Power Factor	0.7
Crest Factor	3:1
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%
Included Output Power Cables	Includes 2 C13 to C14 power cables
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Output Receptacles	(4) C13
Individually Controllable Load Banks	No

<b>BATTERY</b>	
Runtime Full Load (min.)	5 min. (700w)
Runtime Half Load (min.)	14 min. (350w)
Expandable Runtime	No
DC System Voltage (VDC)	36
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
<b>VOLTAGE REGULATION</b>	
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)
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
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
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC Suppression Joule Rating	570
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
<b>PHYSICAL</b>	
Primary Form Factor	Tower
Cooling Method	Fan
Primary UPS Depth (mm)	366
Primary UPS Height (mm)	241
Primary UPS Width (mm)	140
Shipping Dimensions (hwd / in.)	12.50 x 19.20 x 9.10
Shipping Dimensions (hwd / cm)	31.75 x 48.77 x 23.11
Shipping Weight (lbs.)	34.50

Shipping Weight (kg)	15.65
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	24.13 x 13.97 x 36.58
UPS Power Module Dimensions (hwd, in.)	9.5 x 5.5 x 14.4
UPS Power Module Weight (kg)	13.97
UPS Power Module Weight (lbs.)	30.8
<b>ENVIRONMENTAL</b>	
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)	265
Battery Mode BTU / Hr. (Full Load)	399
AC Mode Efficiency Rating (100% Load)	90%
AC Economy Mode Efficiency Rating (100% Load)	94%
Audible Noise	< 45 dB at front side 1m
<b>COMMUNICATIONS</b>	
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 communications
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert software at <a href="https://tripplite.eaton.com/products/power-alert">https://tripplite.eaton.com/products/power-alert</a>
Communications Cable	DB9 cabling included
Communications Interface	DB9 Serial
<b>LINE / BATTERY TRANSFER</b>	
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
<b>FEATURES &amp; SPECIFICATIONS</b>	
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

**WARRANTY & SUPPORT**

Product Warranty Period (Worldwide)	2-year limited warranty
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