

## 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 [triplite.eaton.com/products/power-alert](http://triplite.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

## Specifications

### 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

| 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  |
| BATTERY                                       |   |
| Runtime Full Load (min.)                      | 5 min. (700w)   |
| Runtime Half Load (min.)                      | 14 min. (350w)  |



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|  |   |
|--|---|
| 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  |
| AC Mode Efficiency Rating (100% Load)                       | 90%  |
| AC Economy Mode Efficiency Rating (100% Load)               | 94%  |
| Battery Mode Heat Dissipation (BTU/Hr) @ Full Load          | 399  |
| 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  |
| <b>WARRANTY &amp; SUPPORT</b>                               |  |
| Product Warranty Period (Worldwide)                         | 2-year limited warranty  |



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