

## SmartOnline Tower UPS System - True on-line power for mission-critical applications

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
- 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

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



<b>OUTPUT</b>	
Output Volt Amp Capacity (VA)	1000
Output kVA capacity (kVA)	1
Output Watt Capacity (watts)	700
Output 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%
Built-in UPS output receptacles	4 C13 outlet(s)
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
<b>INPUT</b>	
Rated input current (at 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 breaker	8A
Phase	Single-Phase
<b>BATTERY</b>	
Full load runtime (minutes)	5 min. (700w)
Half load runtime (minutes)	14 min. (350w)
DC system voltage (VDC)	36
Battery recharge rate (included batteries)	Less than 4 hours from 10% to 90%



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>LEDS ALARMS &amp; SWITCHES</b>	
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
Alarms	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
<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>	
Installation form factors supported with included accessories	Tower
Primary form factor	Tower
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	9.5 x 5.5 x 14.4
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	24.1 x 14 x 36.6
UPS / Power Module weight (lbs)	30.8
UPS / Power Module weight (kg)	14
UPS Shipping dimensions (height x width x depth / inches)	12.8 x 9.5 x 19.9
UPS Shipping dimensions (height x width x depth / 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



<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)	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
<b>COMMUNICATIONS</b>	
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
<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>SPECIAL FEATURES</b>	
Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
High availability UPS features	Automatic inverter bypass
Green & high efficiency features	High efficiency economy mode operation; Schedulable daily hours of economy mode operation
<b>CERTIFICATIONS</b>	
UPS Certifications	CE
UPS Certification details	CE EN62040-1-1, EN62040-2 Class A
<b>WARRANTY</b>	



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Product Warranty Period (Worldwide)	2-year limited warranty
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## Related Items

### Optional Products

Model Number	Description	Qty.
<a href="#">AS400CABLE KIT</a>	Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers	1
<a href="#">PDUBHV10</a>	Single-Phase Hot-Swap PDU, 2-2.4kW 10A 200-240V, 2U Horizontal Rackmount, 8 C13 outlets, set of 2 C14 inputs	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at:

<http://www.tripplite.com/sku/SUINT1000XL>.

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