

SmartOnline 230V 1kVA 900W On-Line Double-Conversion UPS, Tower, Extended Run, Network Card Options, LCD, USB, DB9

MODEL NUMBER: **SUINT1000XLCD**



Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Recommended for small/medium servers, networking equipment and telecom systems.

Description

The SUINT1000XLCD SmartOnline® 230V 1kVA 900W On-Line Double-Conversion UPS provides battery backup and AC power protection against blackouts, brownouts, power surges and line noise that can damage electronics or destroy data. It converts AC input to DC power, and then converts DC to fully regulated sine wave AC output with +/-2% voltage regulation in online, double-conversion mode.

Featuring four C13 outlets, the SUINT1000XLCD has an internal battery that provides 12.8 minutes of support at half load (450W) and 4.8 minutes at full load (900W). Adding external battery packs, such as BP24V15RT-2U (sold separately), provides extended runtime. Operating in optional economy mode reduces heat output and cooling requirements and consumes less electricity.

An interactive front-panel LCD screen displays operating conditions and diagnostic data, such as load, voltage and battery levels. An audible alarm signals UPS startup, power failure, low battery, overload, UPS fault and remote shutdown conditions.

EMI/RFI line noise filtering improves your equipment's performance, and surge suppression prevents equipment and data damage from harmful power surges. With Tripp Lite's PowerAlert® software, available via free download, SUINT1000XLCD enables safe unattended system shutdown and file saves in case of a prolonged power failure. A built-in card slot supports TLNETCARD, WEBCARDLX, SNMPWEBCARD, MODBUSCARD and RELAYIOCARD for network interface and remote monitoring and control.

Features

Protects Mission-Critical Rack-Mounted Equipment

- Provides fully regulated sine wave AC output for small/medium servers, networking equipment and telecom systems
- +/-2% voltage regulation in online, double-conversion mode
- 230V output voltage
- High 0.9 power factor offers 1000VA/900W output capacity
- 4 C13 outlets
- Set of 2 C13/C14 jumpers included

Highlights

- Zero transfer time suitable for advanced network applications
- 2% output voltage regulation in online, double-conversion mode
- Expandable runtime with optional external battery packs
- Add optional WEBCARDLX with latest version of PADM20 for enhanced remote management
- 12.8 min. runtime at half load; 4.8 min. at full load

Package Includes

- SUINT1000XLCD SmartOnline 230V 1kVA 900W On-Line Double-Conversion UPS
- USB cable
- RS-232 cable
- (2) C13-to-C14 power cords
- Owner's manual



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Reliable Battery Backup with Expandable Runtime

- Supports half load for 12.8 min. and full load for 4.8 min.
- Zero transfer time suitable for advanced network applications
- Expandable runtime with optional external battery packs, such as Tripp Lite's BP24V15RT-2U
- Restarts automatically after lengthy power outages

SNMP/Web Capability

- Built-in slot for SNMP network interface and relay card for remote monitoring and control options
- Compatible with TLNETCARD, WEBCARDLX, SNMPWEBCARD, MODBUSCARD and RELAYIOCARD
- Optional WEBCARDLX (sold separately) with the latest version of PowerAlert Device Manager firmware (PADM20) provides enhanced remote management capabilities
- PADM20 and PowerAlert Element Manager (PAEM) form a powerful tool for expanding maintenance functions in large installations, including firmware update checks and backup and restoration of device configurations

EMI/RFI Line Noise Filtering

- Removes electromagnetic and radio frequency interference that can disrupt or damage equipment's performance

Interactive LCD Screen

- Reports detailed status information, including load, voltage and battery levels

Audible Alarm

- Indicates startup/shutdown, power failure, low battery, overload and fault conditions

Communications Ports

- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from www.tripplite.com/poweralert

Optional Economy Mode

- Efficiently minimizes heat output, reduces cooling requirements and consumes less electricity

Specifications

OVERVIEW	
UPC Code	037332190659
UPS Type	On-Line
INPUT	
Rated input current (Maximum Load)	4.9A 220V; 4.7A 230V; 4.5A 240V
Nominal Input Voltage(s) Supported	220V AC; 230V AC; 240V AC
Nominal Input Voltage Description	230V factory default



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UPS Input Connection Type	C14 inlet
Input Circuit Breakers	10A
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	230V
Input Phase	Single-Phase
OUTPUT	
Output Volt Amp Capacity (VA)	1000
Output Capacity (kVA)	1
Output Watt Capacity (Watts)	900
Output kW Capacity (kW)	0.9
Output Capacity Details	OVERLOAD CAPACITY: Supports inverter operation up to 105% load continuously, 125% load for 1 minute; 150% load for 30 seconds; Loads greater than 150% trigger immediate switchover to BYPASS (when input voltage and frequency are WITHIN bypass limits) or SHUTDOWN (when input voltage and frequency are OUTSIDE bypass limits)
Power Factor	0.9
Crest Factor	3:1
Nominal Voltage Details	230V default
Frequency Compatibility	50 / 60 Hz; Supports 50 to 60 Hz and 60 to 50 Hz conversion
Frequency Compatibility Details	ON LINE MODE: Output frequency is automatically configured to match nominal input frequency on startup; Output matches input frequency when +/-5Hz of nominal; Output is regulated to +/-0.05Hz when input frequency exceeds +/-5Hz of nominal; UPS switches to battery mode when input frequency is below 40Hz or above 70Hz; BATTERY MODE: Output is regulated to +/-0.05Hz of selected nominal
Output Voltage Regulation (Line Mode)	+/- 2%
Output Voltage Regulation (Economy Line Mode)	+/- 10%
Output Voltage Regulation (Battery Mode)	+/- 3%
Included Output Power Cables	Includes two C13 to C14 power cables
Output AC Waveform (AC Mode)	Pure 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	
Battery Type	Valve Regulated Lead Acid (VRLA)
Full Load Runtime (min.)	4.8 min. (900w)

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Shipping Dimensions (hwd / cm)	34.04 x 24.13 x 44.70
Shipping Dimensions (hwd / in.)	13.40 x 9.50 x 17.60
Shipping Weight (kg)	12.43
Shipping Weight (lbs.)	27.40
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	22.61 x 14.48 x 32.00
UPS Power Module Dimensions (hwd, in.)	8.9 x 5.7 x 12.6
UPS Power Module Weight (kg)	9.66
UPS Power Module Weight (lbs.)	21.3
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)	312
AC Economy Mode BTU / Hr. (Full Load)	145
Battery Mode BTU / Hr. (Full Load)	542
AC Mode Efficiency Rating (100% Load)	91%
AC Economy Mode Efficiency Rating (100% Load)	95%
Audible Noise	< 50 dB at front side 1m
COMMUNICATIONS	
Network Management Cards	SNMPWEBCARD; TLNETCARD ; WEBCARDLX ; MODBUSCARD ; RELAYIOCARD ;
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at https://www.tripplite.com/poweralert
Communications Cable	USB and DB9 cabling included
Network Management Card Description	Network management card optional
Communications Interface	DB9 Serial; Slot for SNMP/Web interface; USB (HID enabled)
LINE / BATTERY TRANSFER	
Transfer Time	Zero transfer time (0 ms.)



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Low Voltage Transfer to Battery Power (Setpoint)	80V (<50% load), 175V (100% load)
High Voltage Transfer to Battery Power (Setpoint)	280
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring (requires WEBCARDLX); Automatic inverter bypass; Expandable battery backup; Hot swappable batteries; On-Line/Double-Conversion; Remote management; Sine wave output; Surge/noise protection; Zero transfer time
Green Energy-Saving Features	High efficiency economy mode operation
STANDARDS & COMPLIANCE	
Product Compliance	RoHS; CE (Europe)
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

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