

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

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

EM/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 tripplite.eaton.com/products/power-alert

Optional Economy Mode

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

Specifications

| OVERVIEW | |
|------------------------------------|---------------------------------|
| UPC Code | 037332190659 |
| UPS Type | On-Line |
| INPUT | |
| Input Phase | Single-Phase |
| 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 |
| 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 |
| OUTPUT | |
| Output Capacity (VA) | 1000 |
| Output Capacity (kVA) | 1 |
| Output Capacity (Watts) | 900 |
| Output 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) |
| Runtime Full Load (min.) | 4.8 min. (900W) |

| | |
|---|---|
| Runtime Half Load (min.) | 12.8 min. (450W) |
| Expandable Runtime | Yes |
| Expandable Runtime Description | External battery configurations require the use of Tripp Lite's External Battery Configuration Software, see manual for details |
| External Battery Pack Compatibility | BP24V15RT2U (limit 1); BP24V28-2U (limit 1); BP24V70-3U (multi-pack compatible) |
| DC System Voltage (VDC) | 24 |
| Battery Recharge Rate (Included Batteries) | Less than 6 hours from 10% to 90% (typical, full load discharge) |
| 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 80V (50% load), 175V (100% load) |
| USER INTERFACE, ALERTS & CONTROLS | |
| Front Panel LCD Display | Front panel LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, operating mode, alarm function and a variety of additional information |
| Switches | ON switch supports inverter-on, battery-test, alarm-off and enter functions; OFF switch supports inverter-off and fault-clear functions; SETUP switch enables scroll-down and enter setup-mode functions |
| Alarm Cancel Operation | Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available |
| Audible Alarm | Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions |
| SURGE / NOISE SUPPRESSION | |
| UPS AC Suppression Joule Rating | 425 |
| UPS AC Suppression Response Time | Instantaneous |
| EMI / RFI AC Noise Suppression | Yes |
| PHYSICAL | |
| Primary Form Factor | Tower |
| Cooling Method | Fan |
| Installation Form Factors Supported with Included Accessories | Tower |
| Primary UPS Depth (mm) | 320 |
| Primary UPS Height (mm) | 226 |
| Primary UPS Width (mm) | 145 |
| Shipping Dimensions (hwd / in.) | 13.40 x 9.50 x 17.60 |

| | |
|---|---|
| Shipping Dimensions (hwd / cm) | 34.04 x 24.13 x 44.70 |
| Shipping Weight (lbs.) | 27.40 |
| Shipping Weight (kg) | 12.43 |
| 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 |
| Unit Weight (lbs.) | 21.3000 |
| Unit Weight (kg) | 9.66 |
| ENVIRONMENTAL | |
| Operating Temperature Range | 32° to 104°F (0° to 40°C) |
| Storage Temperature Range | 5° to 122°F (-15° to 50°C) |
| 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 software at https://tripplite.eaton.com/products/power-alert |
| 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.) |
| 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; Hot swappable batteries; Remote management; Surge/noise protection; Zero transfer time |
| Green Energy-Saving Features | High efficiency economy mode operation |
| STANDARDS & COMPLIANCE | |
| Product Compliance | RoHS; CE (Europe) |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 2-year limited warranty |