

SmartOnline 120V 1kVA 900W Double-Conversion UPS, Tower, Extended Run, Network Card Options, LCD, USB, DB9

MODEL NUMBER: SU1000XLCD



Highlights

- 1000VA / 1kVA / 900 watt on-line double-conversion tower UPS
- 100/110/120/127V 50/60Hz output, high efficiency economy mode option
- Interactive LCD with 10 selectable screens of UPS and site power data
- Expandable runtime, Hot-swappable batteries
- USB, RS232 & EPO ports, Network Management Card options
- 2 independently switched load banks
- NEMA 5-15P input; 6 5-15R outlets
- To use the Auto Probe feature, this product requires a WEBCARDLX network interface (sold separately) running LX firmware update 15.5.2 or later

Description

Do you need to protect small- to medium-size servers, networking equipment and telecom systems against data loss, downtime and equipment damage due to power outages, voltage fluctuations and transient surges? Tripp Lite's SU1000XLCD SmartOnline® Tower UPS System is the solution! Featuring a 1000VA/900W capacity and true on-line operation with pure sine wave output and zero transfer time to battery, it provides the highest level of power protection for mission-critical equipment. The SU1000XLCD's large internal battery set supports connected equipment during blackouts, and runtime is expandable with optional external battery packs (Tripp Lite model BP24V15RT2U, BP24V28-2U or BP24V70-3U), sold separately. The SU1000XLCD has 6 5-15R outlets, including 2 single-outlet load banks that are individually controllable to reboot select equipment on demand or maximize battery runtime for mission-critical equipment. USB and DB9 communication ports support messaging of detailed UPS operational parameters and line power status. PowerAlert UPS management software is available via free download. It comes backed by \$250,000 of Ultimate Lifetime Insurance (U.S., Canada, and Puerto Rico only).

Features

Ideal for Protection of Mission-Critical Equipment

True On-Line Operation with Pure Sine Wave Output and Zero Transfer Time

Individually Controllable Outlets

Reliable, Expandable Battery Backup

High Power Factor and Highly Efficient Operation Reduces BTU Output

Package Includes

- SU1000XLCD SmartOnline® Tower UPS System
- USB, DB9 and EPO Cables
- Owner's Manual

AC Line and Tel/Ethernet Surge Suppression

EMI/RFI Line Noise Filtering

LCD Screen and Audible Alarm

USB/DB9 Ports, Network Management Cards and PowerAlert Software

tripplite.eaton.com/products/power-alert

Emergency Power Off (EPO) Capability

Peace of Mind

Specifications

| OVERVIEW | |
|------------------------------------|------------------------------------|
| UPC Code | 037332174666 |
| UPS Type | On-Line |
| INPUT | |
| Input Phase | Single-Phase |
| Rated input current (Maximum Load) | 10A |
| Nominal Input Voltage(s) Supported | 100V AC; 110V AC; 120V AC; 127V AC |
| Nominal Input Voltage Description | 120V factory default |
| UPS Input Connection Type | 5-15P |
| Input Circuit Breakers | 15A |
| UPS Input Cord Length (ft.) | 10 |
| UPS Input Cord Length (m) | 3.1 |
| Recommended Electrical Service | 15A 120V |
| OUTPUT | |
| Output Capacity (VA) | 1000 |
| Output Capacity (kVA) | 1 |

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| Output Capacity (Watts) | 900 |
| Output Capacity (kW) | 0.9 |
| Output Capacity Details | <p>ON LINE MODE: Maximum output capacity rating is reduced to 810W at 100V nominal; FREQUENCY REGULATION / CONVERSION MODE: Maximum output ratings are reduced in frequency regulation / conversion mode (127/120/115/110V 630 watts / 100V 567 watts)</p> <p>OVERLOAD CAPACITY: Supports inverter operation up to 105% load continuously, 125% load for 3 minutes; 150% load for 30 seconds and >150% load for 0.5 seconds before switching to BYPASS (when bypass input voltage and frequency are WITHIN bypass limits) or SHUTDOWN (when bypass input voltage or frequency are OUTSIDE bypass limits)</p> |
| Power Factor | 0.9 |
| Crest Factor | 3:1 |
| Nominal Voltage Details | 120V default |
| Frequency Compatibility | 50 / 60 Hz; Supports 50 to 60 Hz and 60 to 50 Hz conversion |
| Frequency Compatibility Details | <p>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.</p> <p>FREQUENCY REGULATION / CONVERSION MODE: Output is regulated to +/-0.05Hz of selected output frequency when input is 40 to 70Hz; UPS switches to battery mode when input frequency is below 40Hz or above 70Hz.</p> <p>BATTERY MODE: Output is regulated to +/-0.05Hz of selected nominal.</p> |
| Output Voltage Regulation (Line Mode) | +/- 2% |
| Output Voltage Regulation (Economy Line Mode) | +/- 10% |
| Output Voltage Regulation (Battery Mode) | +/- 3% |
| Load Management Receptacles | Two switchable single-outlet 5-15R load banks |
| Output AC Waveform (AC Mode) | Pure Sine wave |
| Output AC Waveform (Battery Mode) | Pure Sine wave |
| Nominal Output Voltage(s) Supported | 100V; 110V; 115V; 120V; 127V |
| Output Receptacles | (6) 5-15R |
| Individually Controllable Load Banks | Yes |
| BATTERY | |
| Battery Type | Valve Regulated Lead Acid (VRLA) |
| Runtime Full Load (min.) | 3.8 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 | <p>&nbsp;BP24V15RT2U&nbsp; (limit 1); &nbsp;BP24V28-2U&nbsp; (limit 1); &nbsp;BP24V70-3U&nbsp; (multi-pack compatible)</p> |

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| DC System Voltage (VDC) | 24 |
| Battery Recharge Rate (Included Batteries) | Less than 3 hours from 10% to 90% (typical, full load discharge) |
| Battery Access | Battery access door |
| Internal UPS Replacement Battery Cartridge | RBC24V-LCD |
| Battery Replacement Description | Hot-swappable, user replaceable batteries |
| VOLTAGE REGULATION | |
| Voltage Regulation Description | Online, double-conversion power conditioning |
| Overvoltage Correction | 2% output voltage regulation during overvoltages to 150 |
| Undervoltage Correction | 2% output voltage regulation during undervoltages to 55V (33% load), 70V (70% load), 100V (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, frequency, operating mode, alarm function and a variety of additional options |
| Switches | 2 switches control off/on power status and alarm-cancel/self-test operation |
| 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 | 570 |
| UPS AC Suppression Response Time | Instantaneous |
| UPS Dataline Suppression | 1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet |
| 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) | 335 |
| Primary UPS Height (mm) | 254 |
| Primary UPS Width (mm) | 173 |
| Shipping Dimensions (hwd / in.) | 13.90 x 9.80 x 18.00 |
| Shipping Dimensions (hwd / cm) | 35.31 x 24.89 x 45.72 |
| Shipping Weight (lbs.) | 33.50 |

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| Shipping Weight (kg) | 15.20 |
| UPS Housing Material | Steel |
| UPS Power Module Dimensions (hwd, cm) | 25.40 x 17.27 x 33.53 |
| UPS Power Module Dimensions (hwd, in.) | 10 x 6.8 x 13.2 |
| UPS Power Module Weight (kg) | 13.02 |
| UPS Power Module Weight (lbs.) | 28.7 |
| Unit Weight (lbs.) | 28.7000 |
| Unit Weight (kg) | 13.02 |
| 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) | 341 |
| AC Economy Mode BTU / Hr. (Full Load) | 128 |
| Battery Mode BTU / Hr. (Full Load) | 585 |
| AC Mode Efficiency Rating (100% Load) | 90% |
| AC Economy Mode Efficiency Rating (100% Load) | 95% |
| Audible Noise | < 50 dB at front side 1m |
| Operating Elevation (m) | Up to 3000m |
| COMMUNICATIONS | |
| Network Management Cards | SNMPWEBCARD; TLNETCARD ; WEBCARDLX ; MODBUSCARD ; RELAYIOCARD ; |
| Network Monitoring Port Description | Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications |
| 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 |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| Network Management Card Description | Network management card optional |
| Communications Interface | Contact closure; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled) |

| LINE / BATTERY TRANSFER | |
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| Transfer Time | Zero transfer time (0 ms.) in online, double-conversion and frequency regulation / conversion modes; |
| Low Voltage Transfer to Battery Power (Setpoint) | 55V (33% load), 70V (70% load), 100V (100% load) |
| High Voltage Transfer to Battery Power (Setpoint) | 150 |
| FEATURES & SPECIFICATIONS | |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| High Availability UPS Features | Auto Probe Monitoring and Reboot (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; Individually controllable load banks; Schedulable daily hours of economy mode operation |
| APPLICATIONS | |
| UPS Applications | Mission Critical Applications |
| STANDARDS & COMPLIANCE | |
| Product Certifications | CSA (Canada); NOM (Mexico); UL 1778 |
| Product Compliance | RoHS; FCC Part 15 Class B (USA) |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 2-year limited warranty |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 Ultimate Lifetime Insurance |