

SmartPro LCD 230V 1.5kVA 900W Line-Interactive UPS, AVR, 2U Rack/Tower, LCD display, USB, DB9 Serial

MODEL NUMBER: **SMX1500LCD**



Description

Tripp Lite's SMX1500LCD Line-Interactive Digital UPS System offers voltage regulation, surge suppression and long-lasting battery support for personal computers, network workstations, home entertainment systems and media centers. Internal UPS circuits support entry-level PCs for up to 60 min. or individual VCR/DVR components for up to 3 hours during power failures. Prevents data loss, viewing interruptions, lost recordings and loss of component programming. Automatic Voltage Regulation (AVR) circuits regulate brownouts as low as 176V back to usable levels without consuming battery power. Offers complete power protection in an attractive black tower configuration. Includes 8 battery-supported AC outlets. USB port enables optional unattended system shutdown without data loss in case of extended power failure; USB cable included. PowerAlert Software available via free download from www.tripplite.com. HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X. Built-in single-line phone suppression protect modem, satellite receiver or other peripherals with a standard dialup/DSL phone connection or dataline connection. Set of 2.2 GHz coaxial jacks protect against surges entering on CATV, satellite or broadcast antenna connections. Built-in audible alarm and large LCD front panel voltage display indicate line power status, battery power status, battery low/replace status and voltage boost operation. 1500VA/900W power-handling ability supports entry-level PCs, home entertainment systems, network workstations, audio/video components and more. Offers 4.5 min. battery runtime with a full load of 1500VA/900W and 12 min. with a half load of 750VA/450W.

Features

- LCD Display indicates input voltage, battery capacity and a variety of operating conditions. Display is rotatable for easy viewing whether UPS is in vertical or horizontal position
- Provides voltage regulation, surge suppression and long-lasting battery support during blackouts
- 8 AC outlets provide connected equipment with UPS battery support plus surge suppression
- C14 inlet accepts user-supplied AC power cord with country specific plug.
- Included DB9 serial and USB monitoring port and cable enables unattended shutdown in the case of extended power failure
- HID-compliant USB port enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X
- PowerAlert Software available via free download from www.tripplite.com
- Set of tel/DSL jacks protects a single dialup/DSL phone line or Ethernet connection
- Set of 2.2 GHz coaxial jacks protect against surges entering on CATV, satellite or broadcast antenna connections

Highlights

- 1500VA / 1.5kVA 2U rack/tower 230V line interactive UPS with LCD display
- Corrects brownouts and overvoltages from 144V to 282V
- LCD screen reports input voltage, battery charge and UPS status
- USB, DB9 serial, TEL/DSL/ethernet/coax protection, Rackmount kit
- C14 input and 8 C13 outlets

Package Includes

- SMX1500LCD Digital UPS System
- USB cable, phone (RJ11) cable and coax cable
- 2 C13-to-C14 jumper cables
- 2 tower/rackmount brackets
- Owner's manual with warranty information



- 1500VA/900W power handling ability supports a variety of sensitive computer, home theater and other equipment
- 4.5 min. full load runtime(1500VA/900W); 12 min. half-load runtime(750VA/450W)
- Optional [PDUBHV10](#) bypass PDU enables hot-swappable UPS replacement with no disruption to connected equipment
- Cabinet adapts to tower or rackmount shelf format. Rackmount installation brackets for 2U installation in 2- or 4-post racks included

Specifications

| OUTPUT | |
|--|---|
| Output Volt Amp Capacity (VA) | 1500 |
| Output kVA Capacity (kVA) | 1.5 |
| Output Watt Capacity (Watts) | 900 |
| Nominal Output Voltage(s) Supported | 220V; 230V; 240V |
| Nominal Voltage Details | 230v inverter nominal output voltage |
| Frequency Compatibility | 50 / 60 Hz |
| Output Voltage Regulation (Line Mode) | -18%, +8% |
| Output Voltage Regulation (Battery Mode) | +/- 5% |
| Output Receptacles | (8) C13 |
| Included Output Power Cables | Includes 2 C13 to C14 output power cables. |
| Hot-Swap PDU options | PDUBHV10 (2U / 8 C13 outlets) |
| Output AC Waveform (AC Mode) | Sine wave |
| Output AC Waveform (Battery Mode) | PWM sine wave |
| INPUT | |
| Rated input current (Maximum Load) | 4.4A |
| Nominal Input Voltage(s) Supported | 230V AC |
| UPS Input Connection Type | C14 inlet |
| UPS Input Connection Description | Attached 15cm line cord with C14 inlet. C14 inlet accepts user-supplied AC power cord with country specific plug. |
| Input Circuit Breakers | 5.5A |
| UPS Input Cord Length (ft.) | 0.5 |
| UPS Input Cord Length (m) | 0.2 |
| Input Phase | Single-Phase |
| BATTERY | |
| Full Load Runtime (min.) | 4.5 min. (900w) |
| Half Load Runtime (min.) | 12 min. (450w) |



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|---|---|
| DC System Voltage (VDC) | 24 |
| Battery Recharge Rate (Included Batteries) | Less than 4.5 hours from 10% to 90% |
| Expandable Runtime | No |
| VOLTAGE REGULATION | |
| Voltage Regulation Description | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 144 to 282 |
| Overvoltage Correction | Input voltages between 245 and 282 are reduced by 12% |
| Undervoltage Correction | Input voltages between 177 and 199 are boosted by 14% |
| Severe Undervoltage Correction | Input voltages between 144 and 176 are boosted by 30% |
| USER INTERFACE, ALERTS & CONTROLS | |
| Front Panel LCD Display | Backlighted LCD screen indicates input voltage, 5-bar battery charge level, overload, AVR, on battery and replace battery status; LCD screen rotates for rack/tower viewing |
| 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; once silenced, alarm will re-sound to indicate low-battery status |
| Audible Alarm | Audible alarm indicates power-failure, low-battery and overload status; alarm can be disabled using PowerAlert software |
| LED Indicators | Front panel LCD display |
| SURGE / NOISE SUPPRESSION | |
| UPS AC Suppression Joule Rating | 890 |
| UPS AC Suppression Response Time | Instantaneous |
| UPS Dataline Suppression | 1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet; Coax jacks (1 set) |
| EMI / RFI AC Noise Suppression | Yes |
| PHYSICAL | |
| Installation Form Factors Supported with Included Accessories | Tower |
| Included Mounting Accessory Description | Pair of mounting ears enable tower and 2-4 post rackmount installation |
| Primary Form Factor | Rackmount |
| UPS Power Module Dimensions (hwd, in.) | 3.5 x 17.2 x 10.5 |
| UPS Power Module Dimensions (hwd, cm) | 8.9 x 43.8 x 26.7 |
| Installed Whole System Maximum Rack Depth (in.) | 10.5 |
| Installed Whole System Maximum Rack Depth (cm) | 26.7 |



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|---|---|
| Rack Height (U Spaces) | 2 |
| UPS Power Module Weight (lbs.) | 29.4 |
| UPS Power Module Weight (kg) | 13.3 |
| UPS Shipping Dimensions (hwd / in.) | 7.5 x 22.5 x 15.2 |
| UPS Shipping Dimensions (hwd / cm) | 19 x 57.2 x 38.7 |
| Shipping Weight (lbs.) | 33.4 |
| Shipping Weight (kg) | 15.2 |
| UPS Housing Material | ABS |
| 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) | 127.5 |
| Battery Mode BTU / Hr. (Full Load) | 540 |
| AC Mode Efficiency Rating (100% Load) | 96% |
| COMMUNICATIONS | |
| Communications Interface | USB (HID enabled); DB9 Serial |
| Network Monitoring Port Description | Supports detailed monitoring of UPS and site power conditions |
| PowerAlert Software | Free download from www.tripplite.com |
| Communications Cable | USB and DB9 Serial cabling included |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| LINE / BATTERY TRANSFER | |
| Transfer Time | 2-4 milliseconds |
| Low Voltage Transfer to Battery Power (Setpoint) | 144 |
| High Voltage Transfer to Battery Power (Setpoint) | 282 |
| SPECIAL FEATURES | |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| Green Energy-Saving Features | Greater than 95% efficiency - GREEN UPS |
| CERTIFICATIONS | |



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| UPS Certifications | CE; Tested to GOST (Russia); Tested to SASO (Saudi Arabia); Meets FCC Part 15 Category A (EMI) |
| UPS Certification Details | CE IEC 62040-1-1, 62040-1-2 |
| WARRANTY | |
| Product Warranty Period (International) | 2-year limited warranty |
| Product Warranty Period (Mexico) | 2-year limited warranty |
| Product Warranty Period (Puerto Rico) | 2-year limited warranty |

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