

SmartPro 230V 1.5kVA 900W Line-Interactive UPS, 2U Rack/Tower, LCD, USB, DB9, 8 Outlets

MODEL NUMBER: **SMX1500LCD**



Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, surges and line noise. Ideal for home/office workstations, point-of-sale applications and small business networks.

Description

The SMX1500LCD SmartPro 230V 1.5kVA 900W Line-Interactive UPS provides battery backup and AC power protection against blackouts, brownouts, power surges and line noise that can damage electronics or destroy data. Ideal for backing up home/office workstations, point-of-sale applications, VoIP systems and small business networks, the SMX1500LCD switches to battery mode in milliseconds to keep your connected equipment running long enough to save files and shut down safely with no data loss.

Featuring eight IEC-320-C13 outlets and a C14 inlet that accepts a user-supplied AC power cord, the SMX1500LCD has a user-replaceable internal battery that provides 12 minutes of support at half load and 4.5 minutes at full load. It can also power an entry-level PC up to 60 minutes or a single DVR/VCR component up to three hours. A front-panel LCD screen lets you monitor operating data, such as voltage, battery and overload statuses.

Automatic voltage regulation (AVR) maintains 230V nominal output over an input range of 144V to 282V without using battery power. EMI/RFI noise filtering improves your equipment's performance and prevents damage. An 360-joule surge suppression rating protects your equipment from harmful power surges. USB communications port supports built-in power management and auto-shutdown features of Windows and Mac OS X or full featured monitoring and data-saving auto-shutdown options using Tripp Lite's free PowerAlert monitoring software.

Features

Protects Mission-Critical Equipment

- Provides fully regulated AC output for home/office workstations, point-of-sale applications, VoIP systems and small business networks
- Audible alarm signals loss of utility power, low battery or overload
- 8 C13 outlets
- C14 inlet accepts user-supplied AC power cord with country-specific plug
- 360-joule surge suppression rating

Highlights

- Corrects under- and overvoltages from 144V to 282V
- 8 C13 outlets
- Interactive LCD monitoring screen
- Monitoring of power conditions via PowerAlert software
- 12 min. runtime at half load; 4.5 min. at full load

Package Includes

- SMX1500LCD SmartPro 230V 1.5kVA 900W Line-Interactive UPS
- USB cable
- RJ11 cable
- Coaxial cable
- (2) C13-to-C14 power cables
- Tower/rack mounting hardware
- Owner's manual



Reliable Battery Backup

- Supports half load up to 12 min. and full load up to 4.5 min.
- Powers entry-level PC up to 60 min. and a DVR/VCR component up to 3 hr.
- Internal batteries designed for hot-swap field replacement
- 96% line-power efficiency rating saves money in energy costs
- Cold-start capability enables turn-on in battery mode during blackouts

Automatic Voltage Regulation (AVR)

- Maintains 230V nominal output over input range of 144V–282V without using battery power

EMI/RFI Line Noise Filtering

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

Interactive LCD Screen

- Front-panel LCD signals voltage, battery and overload statuses
- Rotates for easy viewing in rack-mount or tower configurations

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
- HID-compliant USB port enables integration with built-in power management and auto-shutdown of Windows and Mac OS X

Telephone/Ethernet/Satellite Protection Against Surges

- RJ45 jacks protect phone/DSL/fax/modem/Ethernet network
- 2.2 GHz coaxial jacks protect CATV, satellite or broadcast antenna connections

Specifications

| OVERVIEW | |
|-------------------------------------|-------------------------------------|
| UPC Code | 037332126078 |
| 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 nominal output in battery mode |



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| Frequency Compatibility | 50 / 60 Hz |
| Frequency Compatibility Details | Automatic frequency selection |
| 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 | Chassis mounted C14 inlet accepts user-supplied AC power cord with country specific cordsets |
| Input Circuit Breakers | 5A |
| Input Phase | Single-Phase |
| BATTERY | |
| Full Load Runtime (min.) | 4.5 min. (900w) |
| Half Load Runtime (min.) | 12 min. (450w) |
| DC System Voltage (VDC) | 24 |
| Battery Recharge Rate (Included Batteries) | 4.5 hours from 10% to 90% |
| Internal UPS Replacement Battery Cartridge | See RBC Selector for replacement battery information |
| Battery Access | Includes battery access door |
| Battery Replacement Description | Hot-swappable, user-replaceable internal battery cartridge |
| 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 | 360 |
| 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) |
| UPS Dataline Suppression Details | RJ11 telephone cable and 1.8m / 6ft. coax cable included |
| EMI / RFI AC Noise Suppression | Yes |
| PHYSICAL | |
| Included Mounting Accessory Description | Pair of mounting ears enable tower or 2-4 post rackmount installation |
| Installation Form Factors Supported with Included Accessories | 2 post 19 inch rackmount; 4 post 19 inch rackmount; Tower |
| Primary Form Factor | Rackmount |
| UPS Power Module Dimensions (hwd, in.) | 3.5 x 17.25 x 10.5 |
| UPS Power Module Dimensions (hwd, cm) | 8.89 x 43.82 x 26.67 |
| Rack Height (U Spaces) | 2 |
| Minimum Required Rack Depth (inches) | 12.75 |
| Minimum Required Rack Depth (cm) | 32.38 |
| UPS Power Module Weight (lbs.) | 29.4 |
| UPS Power Module Weight (kg) | 13.34 |
| Shipping Dimensions (hwd / in.) | 7.800 x 15.000 x 21.300 |
| Shipping Dimensions (hwd / cm) | 19.81 x 38.10 x 54.10 |
| Shipping Weight (lbs.) | 34.2000 |
| Shipping Weight (kg) | 15.51 |
| Cooling Method | Convection |
| UPS Housing Material | ABS |



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| Primary UPS Height (mm) | 89 |
| Primary UPS Width (mm) | 438 |
| Primary UPS Depth (mm) | 267 |
| 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) | 133 |
| Battery Mode BTU / Hr. (Full Load) | 542 |
| 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 | For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert |
| Communications Cable | USB cabling included |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| LINE / BATTERY TRANSFER | |
| Transfer Time | 3 milliseconds (AC to battery mode) / 2 milliseconds (battery to AC mode) |
| 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 | |
| UPS Certifications | CE; Tested to GOST (Russia); Tested to SASO (Saudi Arabia) |
| UPS Certification Details | CE Class A (EMI); 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 |



Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

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| Product Warranty Period (Puerto Rico) | 2-year limited warranty |
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