

1500VA 900W Line-Interactive UPS - 8 C13 Outlets, AVR, 230V, 50/60 Hz, USB, DB9, LCD, 2U Rack/Tower

MODEL NUMBER: **SMX1500LCD**



Rack-mount UPS offers complete power protection for small network applications, including wiring closets, security and digital signage.

Features

1.5kVA/900W/230V Battery Backup for PC Networks, Security Systems or Digital Signage

The SmartPro® line-interactive SMX1500LCD UPS system with AVR protection provides reliable battery backup and AC power protection against blackouts, brownouts, overvoltages, surges and line noise that can damage valuable electronics or destroy data. The eight-outlet 230V battery backup is ideal protection for home/office workstations, VoIP systems, small business networks and other professional applications, including retail, casino and hotel/motel management.

Allows Time to Back Up Critical Files During a Blackout

Backup support allows you to work through short power failures and gives you enough time to safely save files and shut down your system in case of a prolonged blackout. Backup time varies according to load, but the line-interactive UPS system should keep an energy-efficient desktop computer with small LCD monitor powered as long as 60 minutes. During normal operation, incoming utility power keeps the replaceable internal battery fully charged, so backup power will always be available.

8 C13 Outlets Protect Your Connected Components

Eight IEC 320 C13 outlets provide battery backup, 360 joules of surge protection and voltage regulation for your computer, monitor and other crucial components.

Automatic Voltage Regulation (AVR) Corrects Low- and High-Voltage Conditions

AVR protects your equipment from incremental hardware damage, data loss and performance problems caused by brownouts and overvoltages. The SMX1500LCD can correct brownouts as low as 144V and overvoltages as high as 282V back to nominal 230V power continuously, all while keeping the battery fully charged and ready to take over in case of power failure.

Combats Line Noise That Can Harm Equipment

EMI (electromagnetic interference) and RFI (radio frequency interference) are common causes of performance problems and can lead to incremental hardware damage, data corruption and audio/video transmission problems. The SMX1500LCD filters out this disruptive line noise on the AC line, so that it won't affect your equipment.

Designed for High Efficiency to Help You Save Money and Protect the Environment

Highlights

- Protects equipment against blackouts, brownouts, overvoltages, surges and line noise
- Keeps AC power running during blackouts to allow time for file saves and safe shutdown
- Maintains continuous 230V nominal output during brownouts and overvoltages
- Easy-to-read LCD allows real-time monitoring of voltage, battery status and other data
- High 96% efficiency with low BTU ratings saves electricity and lowers your energy costs

Applications

- Protect your PC and other sensitive electronics against power surges, line noise, brownouts, overvoltages and blackouts
- Operate essential equipment during short-term power outages using battery backup power
- Shut down desktop PCs and other equipment without data loss during long-term power outages
- Connect high-end security systems, casino gaming machines or digital signage in a small network

Package Includes

- SMX1500LCD 1500VA 900W 230V Line-Interactive UPS with



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A 96% efficiency rating reduces BTU emissions, energy consumption and, ultimately, your energy costs.

Alarm and Easy-to-Read LCD Keep You Informed 24/7

The LCD screen indicates input voltage, battery charge level, overload, AVR, on-battery and replace battery status. It rotates for easy viewing in either rack or tower configuration. The audible alarm sounds for power failure, low battery and overloads. You may silence it using the built-in switch or disable it remotely through your PC.

Advanced Communications Ports Allow for Automatic Saves and Shutdowns

RS-232 and HID-compliant USB ports connect to a computer running Tripp Lite's free downloadable PowerAlert® software to enable safe unattended file saves and system shutdown in case of a prolonged power failure. A USB cable is included.

Versatile Installation Options

Hardware is included for mounting the Tripp Lite SmartPro UPS system in 2U of space in an EIA-standard 19-inch 4-post or 2-post rack. It will also stand in a tower position using the included hardware for extra stability. You can rotate the LCD screen to match the UPS' orientation. The unit has a C14 power input that connects to an AC power source with an appropriate cord.

8 Outlets

- USB cable
- RJ11 cable
- (2) C13 to C14 power cables
- Tower/rack mounting hardware
- Owner's manual

Specifications

| OVERVIEW | |
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| UPC Code | 037332126078 |
| UPS Type | Line-Interactive |
| 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 |
| OUTPUT | |
| Output Volt Amp Capacity (VA) | 1500 |
| Output kVA Capacity (kVA) | 1.5 |
| Output Watt Capacity (Watts) | 900 |
| Nominal Voltage Details | 230V nominal output in battery mode |
| Frequency Compatibility | 50 / 60 Hz |
| Frequency Compatibility Details | Automatic frequency selection |
| Output Voltage Regulation (Line Mode) | -18%, +8% |
| Output Voltage Regulation (Battery Mode) | +/- 5% |



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| 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 |
| Nominal Output Voltage(s) Supported | 220V; 230V; 240V |
| Output Receptacles | (8) C13 |
| Individually Controllable Load Banks | No |
| 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 | IMPORTANT BATTERY REPLACEMENT INFORMATION > If your SMX1500LCD UPS has no battery replacement door, please contact a local electronics repair technician to source and install a matching replacement battery; If your SMX1500LCD UPS is equipped with a battery access door, please order Tripp Lite RBC1500 (quantity 1) replacement battery |
| 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 offers detailed UPS status information, configuration options and Error message reporting; STATUS INFORMATION includes Input Voltage, Output Voltage, Estimated Runtime (minutes), Output Load Percentage, Output Load Wattage, Battery Charge Percentage, Graphical 5-Bar Battery Charge Level and UPS Operating Mode Display; CONFIGURATION OPTIONS include Power Sensitivity, LCD Status Information Scrolling, Alarm Disable, LCD Brightness and Self Test / REPORTED ERROR MESSAGES include Replace-Battery and Overload conditions; LCD Screen rotates for vertical or horizontal UPS placement |
| Switches | ON/OFF/MODE button provides UPS on/off power control (long-press) and advances the LCD screen display (short tap); MUTE/ENTER button provides temporary alarm cancel, plus selection and confirmation of on-screen configuration options |
| Alarm Cancel Operation | Press the MUTE/ENTER button during a power failure to silence the alarm; Once silenced, alarm will re-sound to indicate low-battery status |
| Audible Alarm | Audible alarm indicates power-failure and low-battery status; Alarm can be disabled entirely via front panel LCD interface (see manual) |



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| 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 |
| UPS Dataline Suppression Details | RJ11 telephone cable included |
| EMI / RFI AC Noise Suppression | Yes |
| PHYSICAL | |
| Cooling Method | Convection |
| Included Mounting Accessory Description | Included mounting brackets enable installation in 2 and 4 post racks, plus upright tower configurations; Set of 4 rubber-feet enable no-slip horizontal desktop placement |
| Installation Form Factors Supported with Included Accessories | 2 post 19 inch rackmount; 4 post 19 inch rackmount; Tower |
| Minimum Required Rack Depth (cm) | 34.29 |
| Minimum Required Rack Depth (inches) | 13.5 |
| Primary Form Factor | Rackmount |
| Primary UPS Depth (mm) | 267 |
| Primary UPS Height (mm) | 89 |
| Primary UPS Width (mm) | 438 |
| Rack Height | 2U |
| Shipping Dimensions (hwd / cm) | 19.81 x 38.81 x 55.30 |
| Shipping Dimensions (hwd / in.) | 7.80 x 15.28 x 21.77 |
| Shipping Weight (kg) | 15.67 |
| Shipping Weight (lbs.) | 34.55 |
| UPS Housing Material | ABS |
| UPS Power Module Dimensions (hwd, cm) | 8.89 x 43.82 x 26.67 |
| UPS Power Module Dimensions (hwd, in.) | 3.5 x 17.25 x 10.5 |
| UPS Power Module Weight (kg) | 13.34 |
| UPS Power Module Weight (lbs.) | 29.4 |
| 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 |



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| 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 | |
| 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 |
| Communications Interface | DB9 Serial; USB (HID enabled) |
| 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 |
| STANDARDS & COMPLIANCE | |
| 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 |
| Product Warranty Period (Puerto Rico) | 2-year limited warranty |

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