

## 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](http://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



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
<b>INPUT</b>	
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
<b>BATTERY</b>	
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
<b>VOLTAGE REGULATION</b>	
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%



<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
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
<b>SURGE / NOISE SUPPRESSION</b>	
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
<b>PHYSICAL</b>	
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
<b>ENVIRONMENTAL</b>	
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%
<b>COMMUNICATIONS</b>	
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 <a href="http://www.tripplite.com/poweralert">http://www.tripplite.com/poweralert</a>
Communications Cable	USB cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
<b>LINE / BATTERY TRANSFER</b>	
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
<b>SPECIAL FEATURES</b>	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS
<b>CERTIFICATIONS</b>	
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
<b>WARRANTY</b>	
Product Warranty Period (International)	2-year limited warranty
Product Warranty Period (Mexico)	2-year limited warranty



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