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

MODEL NUMBER: **SMX1500LCD**

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

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

- 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)

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	
Included Mounting Accessory Description	Pair of mounting ears enable tower and 2-4 post rackmount installation
Installation Form Factors Supported with Included Accessories	Tower
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
Rack Height (U Spaces)	2
Maximum Device Depth (in.)	10.5
Maximum Device Depth (cm)	26.7

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

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