SmartPro 230V 1kVA 750W Medical-Grade Line-Interactive Tower UPS with 6 Outlets, Full Isolation, Expandable Runtime

MODEL NUMBER: **SMX1200XLHG**

Highlights

- Supports a half load up to 27.5 minutes; full load up to 11 minutes
- Six IEC320 C13 hospital-grade outlets and IEC320 C14 hospital-grade plug
- Leakage current less than 100 microamps
- 340 joule surge suppression rating protects connected equipment
- Alarm mute/alarm quiet control is ideal for use around patients

Package Includes

- SMX1200XLHG 1kVA/750W Medical-Grade Tower UPS System
- USB monitoring cable, 1.8 m (6 ft.)
- DB9 serial monitoring cable, 1.8 m (6 ft.)
- PowerAlert software
- Owner's Manual

Description

Tripp Lite's SMX1200XLHG medical-grade UPS system provides dependable battery backup and is fully compliant with UL 60601-1 regulations when plugged into a hospital-grade outlet, making it ideal for use in patient-care vicinities. The 1kVA/750W capacity provides up to 27.5 minutes of runtime for a half load, or 11 minutes for a full load so you can work through short power failures and perform an orderly system shutdown in a prolonged blackout.

Built-in line-interactive voltage regulation corrects brownouts as low as 155V and overvoltages as high as 274V to normal 230V nominal output, without drawing battery power. The SMX1200XLHG's built-in isolation transformer with Faraday shield offers full isolation and removes common mode noise while maintaining full AC surge suppression in all modes. Cumulative leakage current of all connected equipment is less than 100 microamps.

This UPS system features six IEC320 C13 hospital-grade outlets and has a hospital-grade IEC320 C14 plug on a 15 cm (6 in.) dongle. All six outlets provide both backup protection and surge protection, rated to 340 joules.

The SMX1200XLHG also features diagnostic LEDs, as well as a USB port and a DB9 serial port that work with Tripp Lite's included PowerAlert software for safe, unattended system shutdown and file saves in the event of a prolonged power failure.

Features

Provides Ideal UPS Backup in Healthcare Facilities

- Compliant with UL 60601-1 standards for use in patient-care vicinities, when plugged into a hospital-grade outlet
- Built-in isolation transformer with Faraday shield offers full isolation and removes common mode noise

Battery Backup and Full Surge Protection

- 27.5 minutes runtime for half load (375W); 11 minutes for full load (750W)
- All six hospital-grade outlets provide surge protection rated to 340 joules

- EMI/RFI noise filtering ensures equipment runs smoothly without line noise interference
- Resistant to electrostatic discharge

LEDs and Audible Alarms Keep You Aware of Power Status
- Indicator lights on the front of the unit show you when the UPS is on and supplying utility power, when operating in voltage correction mode or in battery mode, relative load level and low-battery warning
- Audible alarms alert you to power failure, overload and low battery conditions; the alarm's mute/quiet mode ensures patients are not disturbed

Saves Your Files, Even When You're Away
- Works with Tripp Lite PowerAlert software (included) to enable safe, unattended system shutdown and files saves during prolonged power failures
- Connects to your computer via either the DB9 port or USB port

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1000
Output Watt Capacity (Watts)	750
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Nominal Voltage Details	230v nominal inverter output voltage
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Automatic frequency selection
Output Voltage Regulation (Line Mode)	-18%, +8%
Output Receptacles	(6) C13
Output AC Waveform (Battery Mode)	PWM sine wave

INPUT	
Rated input current (Maximum Load)	5A
Nominal Input Voltage(s) Supported	230V AC
UPS Input Connection Type	C14 inlet
UPS Input Cord Length (ft.)	0.50
UPS Input Cord Length (m)	0.2
Recommended Electrical Service	10A 230V
Voltage Compatibility (VAC)	230
Input Phase	Single-Phase

BATTERY	
Full Load Runtime (min.)	11 min. (750w)

Half Load Runtime (min.)	27.5 min. (375w)
Expandable Battery Runtime	Supports extended runtime with optional BP36V15-2U(limit 1) and BP36V42-3U external battery pack(multi-pack compatible)
External Battery Pack Compatibility	BP36V15-2U(limit 1); BP36V42-3U(multi-pack compatible); BP36V27-2US(multi-pack compatible)
DC System Voltage (VDC)	36
Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90%
Internal UPS Replacement Battery Cartridge	RBC53
Battery Access	Battery access door allows hot swap battery replacement without powering connected equipment off
Typical Battery Lifespan	3-6 years, depending on usage
Expandable Runtime	Yes

VOLTAGE REGULATION

Voltage Regulation Description	Line interactive UPS offers 2 boost levels of brownout correction and a single level of overvoltage adjustment to maintain usable, computer grade output without consuming battery power over an input voltage range of 155 to 274V AC.
Overvoltage Correction	Input voltages between 245 and 274V AC are reduced by 9%
Undervoltage Correction	Input voltages between 183 and 199 are boosted by 10%
Severe Undervoltage Correction	Input voltages between 156 and 182 are boosted by 21%

USER INTERFACE, ALERTS & CONTROLS

Switches	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions
Audible Alarm	Audible Alarm is factory muted for silent operation; Audible alarm can be restored to indicate power failure, overload conditions and Low Battery events using our Free Power Alert UPS management software.
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status

SURGE / NOISE SUPPRESSION

UPS AC Suppression Joule Rating	340 joules
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous

PHYSICAL

Installation Form Factors Supported with Optional Accessories	Wallmount(UPSWM - tower mounting kit)
Primary Form Factor	Tower
UPS Power Module Dimensions (hwd, in.)	12.7 x 7.5 x 9.1
UPS Power Module Dimensions (hwd, cm)	32.3 x 19 x 23.1

UPS Power Module Weight (lbs.)	45.5
UPS Power Module Weight (kg)	20.64
UPS Shipping Dimensions (hwd / in.)	18.5 x 12.2 x 13.4
UPS Shipping Dimensions (hwd / cm)	47 x 31 x 34
Shipping Weight (lbs.)	48.8
Shipping Weight (kg)	22
Cooling Method	UPS cooling via rear-exit fan
UPS Housing Material	PVC
Primary UPS Height (mm)	323
Primary UPS Width (mm)	190
Primary UPS Depth (mm)	231
Shipping Height (mm)	470
Shipping Width (mm)	310
Shipping Depth (mm)	340

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)	252.2
Battery Mode BTU / Hr. (Full Load)	252.2

COMMUNICATIONS

Communications Interface	USB; DB9 Serial

LINE / BATTERY TRANSFER

Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	155
High Voltage Transfer to Battery Power (Setpoint)	274

SPECIAL FEATURES

Grounding Lug	Ground Potential Equalization Connector: POAG-S6/20
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported

CERTIFICATIONS	
UPS Certifications	CE; Tested to UL60601-1 (medical grade)
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