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

MODEL NUMBER: **SMX1200XLHG**





Provides UL 60601-1 compliant, medical-grade 1kVA/750W power backup, ideal for use in patient-care vicinities. The built-in isolation transformer offers full isolation while maintaining AC surge protection in all modes.

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
- Approved to EN60601-1-2:2015, 4th Edition

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

The 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-centimeter (six-inch) 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 included PowerAlert® software for safe, unattended system shutdown in the event of a prolonged power failure.

This UPS contains a lead acid battery designed to be connected continuously to an AC power source, except during brief power outages. It is not intended for frequent charge/discharge cycles, such as mobile cart applications where the UPS is often disconnected from the power source. Using the SMX1200XLHG in this type of application will void the battery warranty.

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 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

OVERVIEW	
UPC Code	037332140425
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
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
OUTPUT	
Output Capacity (VA)	1000
Output Capacity (kVA)	1
Output Capacity (Watts)	750
Output Capacity (kW)	0.75
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 AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Output Receptacles	(6) C13
Individually Controllable Load Banks	No
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	11 min. (750W)
Runtime Half Load (min.)	27.5 min. (375W)
Expandable Runtime	Yes
Expandable Runtime Description	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%
Battery Access	Battery access door allows hot swap battery replacement without powering connected equipment off
Internal UPS Replacement Battery Cartridge	RBC36SLT
Typical Battery Lifespan	3-6 years, depending on usage
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

EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Tower
Cooling Method	UPS cooling via rear-exit fan
Installation Form Factors Supported with Included Accessories	Tower
Installation Form Factors Supported with Optional Accessories	Wallmount (UPSWM - tower mounting kit)
Primary UPS Depth (mm)	231
Primary UPS Height (mm)	323
Primary UPS Width (mm)	191
Shipping Dimensions (hwd / in.)	18.50 x 12.20 x 13.38
Shipping Dimensions (hwd / cm)	46.99 x 30.99 x 33.99
Shipping Weight (lbs.)	48.80
Shipping Weight (kg)	22.14
UPS Housing Material	PVC
UPS Power Module Dimensions (hwd, cm)	32.26 x 19.05 x 23.11
UPS Power Module Dimensions (hwd, in.)	12.7 x 7.5 x 9.1
UPS Power Module Weight (kg)	20.64
UPS Power Module Weight (lbs.)	45.5
Unit Weight (lbs.)	45.5000
Unit Weight (kg)	20.64
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	252.2
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	252.2
COMMUNICATIONS	
Network Management Card Description	Network management not supported
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
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Surge/noise protection
Grounding Details	Ground Potential Equalization Connector: POAG-S6/20
APPLICATIONS	
UPS Applications	Hospital/Medical
STANDARDS & COMPLIANCE	
Product Certifications	UL 60601-1
Product Compliance	RoHS; CE (Europe)
WARRANTY & SUPPORT	
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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