SmartPro 120V 1kVA 750W Medical-Grade Line-Interactive Tower UPS, 4 Outlets, Full Isolation, Expandable Runtime

MODEL NUMBER: **SMART1200XLHG**

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.

Description

The SMART1200XLHG 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 28 minutes of runtime for a half load or 10 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 81V and overvoltages as high as 143V to normal 120V nominal output without drawing battery power. The SMART1200XLHG'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.

This UPS system features four NEMA 5-15R-HG hospital-grade outlets and has a hospital-grade NEMA 5-15P-HG plug with a six-foot cord for flexibility in placement. All four outlets provide both backup protection and surge protection rated to 940 joules.

The SMART1200XLHG 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.

Application Usage

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 SMART1200XLHG in this type of application will void the battery warranty. For mobile applications, the SMART1200XLHGL with lithium iron phosphate (LiFePo4) battery is recommended.

Features

Ideal UPS Backup in Healthcare Facilities
- Complies with UL 60601-1 standards for use in patient-care facilities

- Isolation transformer with Faraday shield offers full isolation and removes common mode noise

- 6 ft. power cord with 120V NEMA 5-15P-HG plug

- Floating AC output prevents noise coupling and meets agency requirements for isolation

Reliable Battery Backup and Surge Protection
- Supports half load up to 28 min. and full load up to 10 min.
- 4 NEMA 5-15R-HG outlets with 940-joule surge protection
- Filters out disruptive EMI/RFI line noise that can cause equipment damage or data loss
- Resists electrostatic discharge

LEDs and Audible Alarms
- Front LEDs indicate power, mode, load and battery status
- Alarms alert you to power failure, overload and low battery
- Mute/quiet mode ideal for use in quiet patient-care vicinities

Saves Files When You're Away
- Included PowerAlert® software enables safe, unattended system shutdown and file saving during power failures
- Connects to computer via DB9 or USB port with included cables

Specifications

OVERVIEW	
UPC Code	037332116406
UPS Type	Line-Interactive

INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	9.2A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P-HG
Input Circuit Breakers	15A
UPS Input Cord Length (ft.)	6
UPS Input Cord Length (m)	1.8
Recommended Electrical Service	15A 120V
Input Cord Length (ft.)	6
Input Cord Length (m)	1.83

OUTPUT	
Output Capacity (VA)	1000
Output Capacity (kVA)	1
Output Capacity (Watts)	750
Output Capacity (kW)	0.75
Power Factor	0.8

Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-18%, +8%
Output Voltage Regulation (Battery Mode)	115V (+/- 5%)
Output Receptacle Details	Hospital grade output receptacles
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	115V; 120V
Output Receptacles	(4) 5-15R
Individually Controllable Load Banks	No

BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	10 min. (750W)
Runtime Half Load (min.)	28 min. (375W)
Expandable Runtime	Yes
External Battery Pack Compatibility	BP36V15-2U (limit 1); BP36V27-2US (multi-pack compatible); BP36V42-3U (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
Internal UPS Replacement Battery Cartridge	RBC36SLT
Battery Replacement Description	Hot-swappable, user replaceable batteries

VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 81 to 143
Overvoltage Correction	Input voltages between 126 and 143 are reduced by 9%
Undervoltage Correction	Input voltages between 96 and 106 are boosted by 10%
Severe Undervoltage Correction	Input voltages between 81 and 95 are boosted by 21%

USER INTERFACE, ALERTS & CONTROLS	
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	Factory-muted audible alarm indicates power-failure, overload and low-battery conditions

LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status

ISOLATION

Output Isolation Transformer	Hospital grade load isolation transformer
Leakage Current	Less than 100 microamps

SURGE / NOISE SUPPRESSION

UPS AC Suppression Joule Rating	940
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	940

PHYSICAL

Primary Form Factor	Tower
Cooling Method	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)	241
Primary UPS Height (mm)	318
Primary UPS Width (mm)	191
Shipping Dimensions (hwd / in.)	17.00 x 11.40 x 13.10
Shipping Dimensions (hwd / cm)	43.18 x 28.96 x 33.27
Shipping Weight (lbs.)	48.06
Shipping Weight (kg)	21.80
UPS Housing Material	PVC
UPS Power Module Dimensions (hwd, cm)	31.75 x 19.05 x 24.13
UPS Power Module Dimensions (hwd, in.)	12.5 x 7.5 x 9.5
UPS Power Module Weight (kg)	20.50
UPS Power Module Weight (lbs.)	45.2
Unit Weight (lbs.)	45.260
Unit Weight (kg)	20.53

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)	162.8
AC Mode Efficiency Rating (100% Load)	94%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	315.2
Battery Mode Heat Dissipation (BTU/Hr) @ Half Load	190.5

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 software at https://tripplite.eaton.com/products/power-alert
Communications Cable	USB and DB9 serial cabling included
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)	81
High Voltage Transfer to Battery Power (Setpoint)	143

FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries; Surge/noise protection
Grounding Details	Grounding lug (equipotential)

APPLICATIONS	
UPS Applications	Hospital/Medical

STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); UL 1778; UL 60601-1; NOM (Mexico)
Product Compliance	RoHS; FCC Part 15 Class A (USA)

WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

1000 Eaton Boulevard

Cleveland, OH 44122

United States

https://tripplite.eaton.com