

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

MODEL NUMBER: **SMART1200XLHG**



Description

Tripp Lite's 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 6 ft. cord for flexibility in placement. All four outlets provide both backup protection and surge protection, rated to 480 joules.

The SMART1200XLHG 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
- Hospital-grade plug with 6 ft. cord provides flexibility in placement so healthcare workers can focus on treating the patient

Battery Backup and Full Surge Protection

- 28 minutes runtime for half load (375W); 10 minutes for full load (750W)
- All four hospital-grade outlets provide surge protection rated to 480 joules
- EMI/RFI noise filtering ensures equipment runs smoothly without line noise interference

Highlights

- Supports a half load up to 28 minutes; full load up to 10 minutes
- Four hospital-grade outlets and hospital-grade plug
- 480 joule surge suppression rating protects connected equipment
- Alarm mute/alarm quiet control is ideal for use around patients

Package Includes

- SMART1200XLHG 1kVA/750W Medical-Grade Tower UPS System
- USB monitoring cable, 6 ft.
- DB9 serial monitoring cable, 6 ft.
- PowerAlert Software
- Owner's Manual



- 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 kVA Capacity (kVA)	1
Output Watt Capacity (Watts)	750
Power Factor	0.8
Nominal Output Voltage(s) Supported	115V; 120V
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-18%, +8%
Output Voltage Regulation (Battery Mode)	115V (+/- 5%)
Output Receptacles	(4) 5-15R
Output Receptacle Details	Hospital grade output receptacles
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
INPUT	
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 Phase	Single-Phase



BATTERY	
Full Load Runtime (min.)	10 min. (750w)
Half Load Runtime (min.)	28 min. (375w)
Expandable Battery Runtime	Extended runtime supported via optional external battery packs
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	RBC36SLT
Battery Access	Battery access door
Battery Replacement Description	Hot-swappable, user replaceable batteries
Expandable Runtime	Yes
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
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	480
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
ISOLATION	
Output Isolation Transformer	Hospital grade load isolation transformer
Leakage Current	Less than 100 microamps
PHYSICAL	



Installation Form Factors Supported with Optional Accessories	Wallmount(UPSWM - tower mounting kit)
Primary Form Factor	Tower
UPS Power Module Dimensions (hwd, in.)	12.5 x 7.5 x 9.5
UPS Power Module Dimensions (hwd, cm)	31.8 x 19 x 24.1
UPS Power Module Weight (lbs.)	45.2
UPS Power Module Weight (kg)	20.5
UPS Shipping Dimensions (hwd / in.)	18.2 x 11.8 x 13.5
UPS Shipping Dimensions (hwd / cm)	46.4 x 29.8 x 34.3
Shipping Weight (lbs.)	51
Shipping Weight (kg)	23.2
Cooling Method	Fan
UPS Housing Material	PVC
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)	162.8
Battery Mode BTU / Hr. (Full Load)	315.2
AC Mode Efficiency Rating (100% Load)	94%
COMMUNICATIONS	
Communications Interface	USB; DB9 Serial
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	Included
Communications Cable	USB and DB9 serial cabling included
LINE / BATTERY TRANSFER	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	81
High Voltage Transfer to Battery Power (Setpoint)	143
SPECIAL FEATURES	



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Grounding Lug	Grounding lug (equipotential)
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries
CERTIFICATIONS	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Meets FCC Part 15 Category A (EMI); Tested to UL60601-1 (medical grade)
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

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