Smart Pro Expandable Tower UPS System - NAFTA assembled version of SMART750XL

MODEL NUMBER: **SM750XLNAFTA**





Highlights

- 750VA line interactive, extended-run tower UPS
- Maintains sine-wave 120V nominal output over an input range of 91 to 145V
- Network communications supported via USB port, serial port, SNMP/Web card slot
- Current monitoring
- Input: NEMA 5-15P (120V 15A) / Output: 8 NEMA 5-15R (120V)
- 2 year product warranty / $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Package Includes

- SM750XLNAFTA UPS System
- PowerAlert Software CD-Rom
- USB and serial cabling
- User manual with warranty information

Description

Tripp Lite's SM750XLNAFTA intelligent, line-interactive sine wave UPS system protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 30 minutes half load runtime and 10 minutes fully loaded. Runtime is expandable with optional BP36V15-2U (limit 1) or BP36V42-3U external battery packs. 750VA / 450 watt power handling capability and full-time sine wave output offers guaranteed compatibility with networking, telecom and other sensitive electronic applications. Includes 8 protected NEMA 5-15R output receptacles. Supports simultaneous remote monitoring of UPS and site power conditions via built-in network accessory card slot, USB and DB9 serial monitoring ports. Optional SNMPWEBCARD accessory enables remote monitoring of UPS as a managed device via network management console applications. Communications interfaces support messaging of UPS and line power status, plus output power control for delayed or immediate reboot of all connected devices at once. Includes PowerAlert UPS monitoring and unattended shutdown software with management support for an unlimited number of network UPS systems. Built-in audible alarm and 15 LEDs provide graphical readout of line power, battery power, battery charge level, load level, plus AVR boost and trim operational status information. Network grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges. Attractive, black tower housing in rugged all-metal enclosure. Two year warranty with $250,000 Ultimate Lifetime Insurance.

Features

- SM750XLNAFTA line-interactive UPS offers battery derived sine wave AC output during power outages, voltage regulation during brownouts and overvoltages, plus network-grade AC surge suppression
- 750VA / 450 watt power handling capability with full-time sine wave output offers guaranteed compatibility with networking, telecom and other sensitive electronic devices
- Large internal batteries offer runtimes of 30 minutes at half load (375VA) and 10 minutes at full load (750VA)
- Runtime is expandable with the addition of optional BP36V15-2U (limit 1) or BP36V42-3U external battery packs
- Some external battery configurations require the use of Tripp Lite's External Battery Configur (see manual)
- Automatic Voltage Regulation (AVR) circuits maintain user-selectable 100, 110, 120 or 127V nominal output over an input voltage range of 91-145V
- Includes 8 fully-protected NEMA 5-15R output receptacles arranged in a single load bank that can be powered off and back on again via software interface
- PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast

messaging, email notification, event logging and running user-defined script commands

- Offers simultaneous monitoring by up to 3 directly-connected devices through included USB, DB9 and SNMP* interfaces (*requires optional SNMPWEBCARD), or the monitoring of any number of additional UPS systems over IP with included PowerAlert monitoring software.
- Communications ports support messaging of UPS and line power status, including on-battery, low-battery, power restored, AC line voltage, DC battery voltage and remaining battery capacity
- Supports timed inverter shutoff after unattended shutdown, activate self-test and UPS output power control for delayed or immediate reboot of connected equipment
- Supports Tripp Lite's WatchDog software application to restore unresponsive programs by systematically restarting applications, operating systems and ultimately rebooting completely locked computers by momentarily switching UPS power off and back on again (requires optional WATCHDOGSW)
- 15 LEDs offer continuous detailed status information of UPS operating parameters and site power quality
- Hot-swappable batteries allow on-site battery replacement without powering off connected equipment
- 2 year warranty with up to $250,000 connected equipment insurance

Specifications

OVERVIEW	
UPC Code	037332137524
INPUT	
Rated input current (Maximum Load)	6.9A
Nominal Input Voltage(s) Supported	100V AC; 110V AC; 120V AC
UPS Input Connection Type	5-15P
UPS Input Cord Length (ft.)	6
UPS Input Cord Length (m)	1.8
Recommended Electrical Service	15A 120V
OUTPUT	
Output Capacity (VA)	750
Output Capacity (Watts)	450
Power Factor	0.6
Nominal Voltage Details	120V default (voltage selection via back panel switches)
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-13%, + 15%
Output Voltage Regulation (Battery Mode)	+/- 5%
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave

Nominal Output Voltage(s) Supported	100V; 110V; 120V
Output Receptacles	(8) 5-15R
BATTERY	
Runtime Full Load (min.)	10 min. (500w)
Runtime Half Load (min.)	30 min. (250w)
Expandable Runtime	Yes
External Battery Pack Compatibility	BP36V15-2U (limit 1); 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	RBC53
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 95 to 145 (120v), 87 to 133 (110v), 83 to 121 (100v)
Overvoltage Correction	Voltage reduction of 12% applies when input is 127 to 145 (120v), 116 to 133 (110v), 111 to 121 (100v)
Undervoltage Correction	Voltage boost of 14% applies when input is 95 to 108 (120v), 87 to 99 (110v), 83 to 90 (100v)
USER INTERFACE, ALERTS & CONTROLS	
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation; rear panel protected switches support nominal voltage selection
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch
Audible Alarm	Audible alarm indicates power failure and overload conditions
LED Indicators	9 LEDs indicate line power, battery power, AVR, overload and replace battery status - with a 3-LED level meter for load and battery charge level
Site Wiring Fault Indication	Rear panel site wiring fault LED
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	480
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Tower

Cooling Method	Fan
Installation Form Factors Supported with Included Accessories	Tower
Primary UPS Depth (mm)	427
Primary UPS Height (mm)	224
Primary UPS Width (mm)	173
Shipping Dimensions (hwd / in.)	14.18 x 9.85 x 18.31
Shipping Dimensions (hwd / cm)	36.02 x 25.02 x 46.51
Shipping Weight (lbs.)	37.00
Shipping Weight (kg)	16.78
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	22.35 x 17.27 x 42.67
UPS Power Module Dimensions (hwd, in.)	8.8 x 6.8 x 16.8
UPS Power Module Weight (kg)	20.64
UPS Power Module Weight (lbs.)	45.5
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)	97.7
AC Mode Efficiency Rating (100% Load)	94%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	270
Audible Noise	Audible Noise < 50 dBA at Front Side 1 Meter
COMMUNICATIONS	
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	Included
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Communications Interface	USB; DB9 Serial; Slot for SNMP/Web interface
LINE / BATTERY TRANSFER	
Transfer Time	4-8 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	90

High Voltage Transfer to Battery Power (Setpoint)	145
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

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