

# 1050VA 800W SmartPro XL Expandable Tower UPS System - Intelligent, line-interactive battery backup and network power management

MODEL NUMBER: **SMART1050XL**

## Description

Tripp Lite's SMART1050XL intelligent, line interactive UPS system protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 19 minutes half load runtime and 8 minutes at full load during power failures. Runtime is expandable with the addition of BP36V27 external battery packs. 1050VA/800 watt power handling capability supports a variety of networking, telecom and various other applications. Includes a total of 6 outlets, 1 of which can be individually powered on and off via software interface to selectively reboot remote equipment or to automatically shed less significant loads to extend battery runtime for more critical equipment. Supports remote monitoring of UPS and site power conditions via built-in USB and DB9 monitoring ports. Includes PowerAlert UPS monitoring and unattended shutdown software with complete cabling. Supports SNMP with optional SNMPWEBSOLO external adapter. Notification of system status via 5 LEDs and multi-function audible alarms. Wall mountable with UPSWM wallmount bracket. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges. Attractive, small-footprint tower housing uses less than 66 square inches of floor or desktop space. Two year warranty with \$250,000 connected equipment insur.

## Features

- SMART1050XL line interactive UPS system offers voltage regulation and battery support, plus network-grade AC surge suppression to prevent equipment damage, data loss and downtime due to power problems
- 1050VA/800 watt power handling capability supports a variety of networking, telecom and various other application types
- Internal batteries offer 19 minutes half load runtime and 8 minutes at full load
- Runtime is expandable with the addition of BP36V27 external battery packs
- Automatic Voltage Regulation (AVR) circuits with two boost and one voltage reduction level maintains usable 120V nominal output over an input voltage range of 75-147V
- Includes a total of 6 NEMA5-15R outlets, 1 of which can be individually powered on and off via software interface to selectively reboot remote equipment or automatically shed less significant loads to extend battery runtime for more critical equipment
- Includes 1 USB and 1 DB9 monitoring port for remote monitoring of UPS and site power status
- Monitoring ports support messaging of UPS and line power status, including on-battery, low-battery, power-restored, AC line voltage, DC battery voltage and battery capacity
- UPS interface supports timed inverter shutoff after unattended shutdown, activate self-test and 10 second reboot of connected equipment
- PowerAlert UPS monitoring and unattended shutdown software with complete USB and DB9 cabling included
- Supports SNMP in large network applications with optional SNMPWEBSOLO external adapter
- Supports Tripp Lite's WatchDog software application to restore unresponsive programs by automatically restarting them and rebooting completely locked computers by automatically switching UPS power off and back on again
- 5 front panel LEDs and multi-function audible alarms offer status of line power, battery power, battery low/replace, voltage regulation and load level
- Wall mountable with UPSWM wallmount bracket
- Attractive small footprint beige tower housing uses less than 66 square inches
- Built-in rear-exit cooling fan runs as needed to maintain optimal internal temperatures, especially during extended run battery operation
- Hot-swappable/user replaceable batteries allow on-site battery replacement
- UPS battery set ships fully assembled and ready for installation, no time consuming connection of internal batteries by user is necessary

## Highlights

- 1050VA line interactive tower UPS system
- Enhanced communications ports (1 USB / 1 DB9), free PowerAlert software and cabling
- Corrects brownouts and overvoltages from 75 to 147V
- 1 load bank, 6 outlets
- Expandable runtime
- \$250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

## Package Includes

- SMART750XL UPS System
- USB and DB9 monitoring cables
- PowerAlert unattended shutdown and UPS/Power monitoring software
- Instruction manual with warranty information



Powering Business Worldwide



- Cold start capability enables UPS turn-on in battery mode during blackout conditions
- UL (USA), cUL (Canada), NOM (Mexico), FCC Class A (Business) Listed
- \$250,000 Ultimate Lifetime Insuran. No warranty cards required for coverage!
- 2 year manufacturers product warranty

## Specifications

OVERVIEW	
UPC Code	037332034106
INPUT	
UPS Input Cord Length (ft.)	6
UPS Input Cord Length (m)	1.8
Recommended Electrical Service	15A 120V
Maximum Input Amps	11
Input Connection Type	NEMA 5-15P
Voltage Compatibility (VAC)	120
OUTPUT	
Frequency Compatibility	60 Hz
Output Nominal Voltage	120V AC
Output Voltage Regulation	LINE MODE: Sine wave line voltage 120V (-18% / +8%)  BATTERY MODE: PWM sine wave output 120V +/-5%
Output Frequency Regulation	LINE MODE: Passes line frequency of 60Hz +/-10%   BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Overload Protection	Resettable circuit breaker
Customized Load Management Receptacles	"Individually controllable outlet supports automated load shedding and remote reboot on demand of locked network devices. Configurable via PowerAlert software to automatically switch off optional loads, like monitors, to increase available runtime for servers and other critical devices. "
BATTERY	
Runtime Full Load (min.)	8 min.
Runtime Half Load (min.)	19 min.
Expandable Runtime	Yes
Expandable Runtime Description	Supports extended runtime with optional BP36V27 external battery pack (multi-pack compatible)
DC System Voltage (VDC)	36
Battery Access	Includes access door, hot swap battery replacement supported
Battery Pack Accessory (Optional)	BP36V27
Typical Battery Lifespan	3-6 years, depending on usage
Battery Charge	2-4 hours to 90%

<b>VOLTAGE REGULATION</b>	
Voltage Regulation Description	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and overvoltages to 147V
Overvoltage Correction	Input voltages between 128 and 147V AC are reduced by 12%
Brownout Correction	Input voltages between 93 and 107V AC are boosted by 14%
Severe Brownout Correction	Input voltages between 75 and 92V AC are boosted by 30%
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
Front Panel LEDs	Includes 5 front panel LEDs to indicate BATTERY CHARGE LEVEL, AC LINE POWER STATUS, VOLTAGE REGULATION STATUS, UPS LOAD LEVEL and BATTERY LOW / REPLACE information
Switches	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions. Also includes rear panel CHARGE LEVEL switch.
Audible Alarm	3 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC Suppression Joule Rating	1800
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
<b>PHYSICAL</b>	
Material of Construction	PVC
Cooling Method	Built-in rear exit cooling fan
Form Factors Supported	Tower, wall mountable with optional <a href="//tripplite.eaton.com/Wall-Mount-Bracket-Installation-Accessories-for-UPS-Systems~UPSWM">UPSWM</a> ; accessory
Shipping Dimensions (hwd / in.)	18.25 x 11.75 x 13.50
Shipping Dimensions (hwd / cm)	46.36 x 29.84 x 34.29
Shipping Weight (lbs.)	41.00
Shipping Weight (kg)	18.60
Unit Dimensions (hwd / in.)	12.500 x 7.500 x 9.500
Unit Dimensions (hwd / cm)	32.4 x 19.1 x 22.9
Unit Weight (lbs.)	36.4
Unit Weight (kg)	16.51
<b>ENVIRONMENTAL</b>	
Relative Humidity	0 to 95%, non-condensing
<b>COMMUNICATIONS</b>	
WatchDog Compatibility	Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications



Powering Business Worldwide



Network Monitoring Port	Includes 2 built-in monitoring ports, 1-USB & 1-DB9. Each supports on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, internal UPS temperature, line frequency status me
SNMP Compatibility	Yes via external SNMP adapter accessory #SNMPWEBSOLO
<b>LINE / BATTERY TRANSFER</b>	
Transfer Time (Line Power to Battery Mode)	2-4 milliseconds
Low Voltage Transfer to Battery Power	75V (resets to line power as voltage increases to 79V)
High Voltage Transfer to Battery Power	147V (resets to line power as voltage decreases to 143V)
<b>FEATURES &amp; SPECIFICATIONS</b>	
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	2-year limited warranty
Optional Coverage	3 year, 5 year, next day and on-site warranty coverage available for select opportunities - contact Tripp Lite for more information
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 <a class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>

1000 Eaton Boulevard  
 Cleveland, OH 44122  
 United States  
<https://tripplite.eaton.com>

© 2024 Eaton. All Rights Reserved.  
 Eaton is a registered trademark. All other trademarks  
 are the property of their respective owners.