

SmartPro USB UPS System

Intelligent, line-interactive battery backup for workstations



Model #: SMART750USB

- ▶ 750VA line interactive tower UPS system
- ▶ Enhanced communications via USB port, free PowerAlert software and cabling
- ▶ Corrects brownouts as low as 83V
- ▶ 6 outlets (3 UPS / 3 surge-only)
- ▶ Single line TEL/DSL/Ethernet line surge suppression
- ▶ \$200,000 Ultimate Lifetime Insurance (USA & Canada only)

Tech Data

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Tech Data Part Number:
327970

DESCRIPTION

Tripp Lite's SMART750USB line-interactive UPS system offers automatic voltage regulation, surge suppression and long lasting battery support. 750VA / 450 watt power handling ability supports entry-level PCs, network workstations, point-of-sale equipment, small business phone systems, audio/video equipment and home theater systems. Internal UPS circuits support entry level PC systems for up to 45 minutes during power failures so that connected equipment can be shut down without data loss. Automatic Voltage Regulation (AVR) circuits regulate brownouts as low as 83 volts back to usable levels without using battery power. Offers complete desktop power protection in an attractive, black tower configuration. Includes 3 battery-supported outlets for computer, monitor and one vital system peripheral as well as 3 additional surge-only outlets for printers and other system accessories that do not require battery support. USB port (USB cable included) enables optional unattended system shutdown without data loss in the case of extended power failure. PowerAlert Software available via free download from www.tripplite.com. Built-in dataline protection jacks offer protection of a single dialup phone/DSL line or network Ethernet connection. Built-in audible alarm and 4 front panel LEDs indicate line power status, battery power status, battery low/replace status and voltage boost operation. Offers 5 minutes battery runtime with a full load of 750VA/450 watts and 17 minutes with a half load of 375VA/225 watts. Supports battery replacement via built-in access panel. 2 year warranty. \$200,000 connected equipment Insurance (USA & Canada Only).

KEY BUYING POINTS

- SMART750USB line-interactive UPS system offers extended voltage regulation (AVR) and battery support as well as complete AC and dialup/DSL/ethernet line surge suppression
- Supports entry level PC systems for up to 45 minutes during power failures to enable a safe system shutdown
- Supports a max load of 750VA/450 watts for 5 minutes and a half load of 375VA/225 watts for 17 minutes
- Automatic Voltage Regulation (AVR) circuits correct brownouts as low as 83 volts without using battery power
- Attractive black tower configuration
- Includes 3 battery-supported outlets, plus 3 additional surge-only outlets, 6 foot AC line cord (all NEMA 5-15)
- USB port enables unattended shutdown without data loss during extended power failures; includes USB cable
- Built-in USB port supports on battery, low battery, power restored, AC line voltage, DC battery voltage and battery capacity messaging; 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 available via free download from www.tripplite.com
- 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 (part #WATCHDOGSW)
- Built-in dataline suppression jacks protect a single dialup phone / DSL line or network Ethernet line connection
- Built-in audible alarm and 4 front panel LEDs indicate UPS system and line power status
- 750VA / 450 watt power handling ability supports a variety of computer, internetworking, telecom and consumer electronics equipment
- Supports battery replacement via built-in access panel
- Compatible with 120V / 60Hz applications for USA, Canada, Mexico and more
- 2 year manufacturer's warranty
- \$200,000 Ultimate Lifetime Insurance (USA & Canada Only)

TYPICAL APPLICATIONS

- Entry-level PCs, networked workstations, point-of-sale equipment, small business phone systems, audio/video equipment and home theater systems. Ideal for sensitive electronic applications in areas where brownout conditions are common.

OPTIONS & ACCESSORIES

- USB Hubs-accessories: [U202-004-R](#), [U205-004-R](#), DUSB, [U022-010](#)
- Dataline protectors: [DNET1](#), [DTEL2](#), [DCATV](#)
- Wallmount Bracket: [UPSWM](#)
- Circuit Tester: [CT120](#)
- Watchdog software: [WATCHDOGSW](#)

PACKAGE INCLUDES

- SMART750USB Standby UPS System
- USB and telephone interconnection cables
- Instruction manual with warranty information

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW	
System overview:	Line interactive tower UPS protects PCs and network workstations from blackouts, brownouts, surges and line noise. Maintains AC output during blackouts and continuously corrects brownouts as low as 83 volts back to normal 120V levels. Includes battery-supported and surge-only outlets, TEL/DSL or ethernet line surge suppression, USB monitoring port, complete cabling and front panel LED indicators. PowerAlert monitoring software available via free download.
Voltage compatibility:	120V AC
Frequency compatibility:	60Hz
OUTPUT	
Output volt amp capacity (VA):	750
Output watt capacity (watts):	450
Output nominal voltage:	120V AC
Output voltage regulation:	BATTERY MODE: PWM sine wave 120V +/-5%
Output frequency regulation:	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Outlet quantity / type:	6 NEMA 5-15R output receptacles (3 with UPS and surge suppression / 3 surge-only)
INPUT	
Maximum input amps / watts:	10A / 1200 watts
Input connection type:	NEMA 5-15P
Input cord length:	6 ft., 16 gauge
Recommended electrical service:	15A 120V
BATTERY	
Full load runtime:	5 minutes (750VA)
Half load runtime:	17 minutes (375VA)
DC system voltage:	12 V DC

Typical battery lifespan:	3-6 years, depending on usage
Battery recharge rate:	2-4 hours to 90%
VOLTAGE REGULATION	
Voltage regulation description:	Line interactive voltage regulation corrects brownouts as low as 83V back to 120V nominal values
Direct pass through:	Voltages of 106V and greater are passed through to connected equipment unchanged
Brownout correction:	Input voltages between 83 and 105 are boosted by 14%
LEDS ALARMS & SWITCHES	
Front panel LEDs:	4 LEDs indicate performance conditions: GREEN "online" / GREEN "voltage regulation enabled" / RED "on battery" / YELLOW "battery low/replace"
Alarms:	Audible alarm with 15 second delay sounds to indicate loss of utility power. Alarm can be silenced by pressing front panel alarm cancel button. Once silenced, alarm will re-sound when approximately 2 minutes of runtime remain
Switches:	Includes 2 front panel switches - one main on/off power switch and one dual function "alarm cancel" / "self test" button
SURGE / NOISE SUPPRESSION	
AC surge suppression:	Conforms to IEEE 587 / ANSI C62.41 specifications
AC suppression response time:	Instantaneous
Dataline suppression:	Single line TEL/DSL or network ethernet surge suppression via single pair of RJ-style 8 position jacks (ethernet protection pins 1,2,3,6 - 7.5V clamping / phone protection pins 4,5 - 260V clamping), includes phone cable
EMI / RFI AC noise suppression:	Yes
PHYSICAL	
Shipping weight (lbs):	19.4
Shipping weight (kg):	8.8
Unit weight (lbs):	17.4
Unit weight (kg):	7.9
Unit Dimensions (HWD/in):	11 x 5.5 x 7.5
Unit Dimensions (HWD/cm):	27.9 x 14 x 19.1
Shipping Dimensions (HWD/in):	13.75 x 8.5 x 10.5
Shipping Dimensions (HWD/cm):	34.9 x 21.6 x 26.7
Material of construction:	PVC
Form factors supported:	Tower, wall mountable with optional UPSWM accessory
Cooling method:	Convection
Battery Access:	Battery access door allows user replacement of UPS batteries
ENVIRONMENTAL	
Operating Temperature:	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature:	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity:	0 to 95%, non-condensing
Line mode BTU/hr. (Max.):	39.2
Battery mode BTU/hr. (Max.):	133.0
COMMUNICATIONS	
Network monitoring port:	Built-in USB port supports on battery, low battery, and power restored messaging
Software and cabling included:	USB cabling included, PowerAlert software available for free download at www.tripplite.com
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
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode:	2-4 milliseconds
Low voltage transfer to battery power:	Switches to battery power as line voltage decreases to 83 volts or less. Resets to line power mode as line voltage increases to 87V or higher
High voltage transfer to battery power:	Switches to battery power as line voltage increases to 147 volts or higher. Resets to line power mode as line voltage decreases to 143V or less
CERTIFICATIONS	
Certifications:	UL1778 (USA), cUL (Canada), FCC Class B (emissions), NOM (Mexico), FCC Part 68 / Industry Canada (Telecommunications)
WARRANTY	
Optional coverage:	3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information.
Product warranty:	2 year product warranty
Connected equipment insurance (USA and Canada Only):	\$200,000 connected equipment insurance (USA /Canada only)
SPECIAL FEATURES	
Cold Start:	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance:	Attractive all-black tower UPS

*The policy of Tripp Lite is one of continuous improvement.
Specifications are subject to change without notice.*