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## Model #: SMART750USB

### Smart USB UPS System - Intelligent, line-interactive battery backup for workstations



#### Highlights

- 750VA line interactive tower UPS
- Maintains 120V nominal during brownout conditions
- Workstation optimized features include USB port, single line TEL / DSL or ethernet line surge suppression and three surge-only outlets
- Input: NEMA 5-15P (120V 15A) / Output: 6 NEMA 5-15R (120V)
- 2 year product warranty / \$200,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)

#### 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 89 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](http://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 3 minutes battery runtime with a full load of 750VA/450 watts and 11 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).

#### 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.

#### Package Includes

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

#### Features

- 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 3 minutes and a half load of 375VA/225 watts for 11 minutes
- Automatic Voltage Regulation (AVR) circuits correct brownouts as low as 89 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](http://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)

## Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V AC
Frequency compatibility	60Hz
OUTPUT	
Output VA	750
Output 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
INPUT	
Maximum input amps	10A / 1200 watts
Input connection type	NEMA 5-15P, right-angle plug
Input cord length	6 ft., 16 gauge
Recommended electrical service	15A 120V
BATTERY	
Full load runtime	3 minutes (750VA)
Half load runtime	11 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%
Replacement Battery Cartridge	RBC51
VOLTAGE REGULATION	
Voltage regulation description	Line interactive voltage regulation corrects brownouts as low as 89V
Brownout correction	Input voltages between 89 and 104 are boosted by 14%
LEDS ALARMS & SWITCHES	

<b>Front panel LEDs</b>	4 LEDs indicate performance conditions: GREEN "online" / GREEN "voltage regulation enabled" / RED "on battery" / YELLOW "battery low/replace"
<b>Alarms</b>	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
<b>Switches</b>	Includes 2 front panel switches - one main on/off power switch and one dual function "alarm cancel" / "self test" button
<b>SURGE / NOISE SUPPRESSION</b>	
<b>AC surge suppression</b>	480 joules
<b>AC suppression response time</b>	Instantaneous
<b>Dataline suppression</b>	Tel/DSL/Ethernet
<b>EMI / RFI AC noise suppression</b>	Yes
<b>PHYSICAL</b>	
<b>Shipping weight (lbs)</b>	19.4
<b>Shipping weight (kg)</b>	8.8
<b>Shipping Dimensions (HWD/in)</b>	14 x 8.5 x 11
<b>Shipping Dimensions (HWD/cm)</b>	35.6 x 21.6 x 28
<b>Unit weight (lbs)</b>	17.4
<b>Unit weight (kg)</b>	7.9
<b>Unit Dimensions (HWD/in)</b>	10.75 x 5.25 x 7.5
<b>Unit Dimensions (HWD/cm)</b>	27.3 x 13.3 x 19.1
<b>Material of construction</b>	PVC
<b>Form factors supported</b>	Tower
<b>Cooling method</b>	Convection
<b>Battery Access</b>	Battery access door allows user replacement of UPS batteries
<b>ENVIRONMENTAL</b>	
<b>Operating Temperature</b>	+32 to +104 degrees Fahrenheit, 0 to +40 degrees Celsius
<b>Storage Temperature</b>	+5 to +122 degrees Fahrenheit, -15 to +50 degrees Celsius
<b>Relative Humidity</b>	0 to 95%, non-condensing
<b>Line mode BTU/hr. (Max.)</b>	39.2
<b>Battery mode BTU/hr. (Max.)</b>	133.0
<b>COMMUNICATIONS</b>	
<b>Network monitoring port</b>	USB
<b>Software and cabling included</b>	USB cabling included, PowerAlert software available for free download at <a href="http://www.tripplite.com">www.tripplite.com</a>
<b>WatchDog compatibility</b>	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
<b>LINE / BATTERY TRANSFER</b>	

<b>Transfer time from line power to battery mode</b>	2-4 milliseconds
<b>Low voltage transfer to battery power</b>	Switches to battery power as line voltage decreases to 89 volts or less.
<b>High voltage transfer to battery power</b>	Switches to battery power as line voltage increases to 139 volts or higher.
<b>CERTIFICATIONS</b>	
<b>Certifications</b>	Tested to UL1778 (USA), cUL (Canada), Class B (emissions), NOM (Mexico), FCC Part 68 / Industry Canada (Telecommunications)
<b>WARRANTY</b>	
<b>Product warranty</b>	2 year product warranty
<b>Connected equipment insurance (USA and Canada Only)</b>	\$200,000 connected equipment insurance (USA /Canada only)
<b>Optional coverage</b>	3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information.
<b>SPECIAL FEATURES</b>	
<b>Cold Start</b>	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
<b>Appearance</b>	Attractive all-black tower UPS

More information, including related products, owner's manuals, and additional technical specifications, can be found online at [www.tripplite.com/products/model.cfm?txtModelID=2679](http://www.tripplite.com/products/model.cfm?txtModelID=2679).