



**Tripp Lite**  
1111 West 35th Street  
Chicago, IL 60609 USA  
Telephone: +(773) 869 1234  
E-mail: [saleshelp@tripplite.com](mailto:saleshelp@tripplite.com)

## Model #: SMART550USB

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



#### Highlights

- 550VA line interactive tower UPS
- Maintains 120V nominal output during brownout conditions
- Workstation optimized features include USB port, single line TEL / DSL 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 SMART550USB line interactive UPS system offers voltage regulation, surge suppression and long lasting battery support for personal computers, internetworking equipment and other sensitive electronics. Internal UPS circuits support entry level PC systems for up to 30 minutes during power failures so that connected equipment can be shutdown 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 stealth black tower configuration. Includes 3 battery supported outlets for computer, monitor and one vital system peripheral, plus 3 additional surge suppression-only outlets for printers and other system accessories not requiring battery support. USB port enables optional unattended system shutdown without data loss in the case of extended power failure, USB cable included. PowerAlert software available via free download from [www.tripplite.com](http://www.tripplite.com). Built-in single line RJ11 phone suppression jacks protect modem, fax machine, cordless phone or other peripheral with a standard dialup/DSL phone connection. Built-in audible alarm and 4 front panel LEDs indicate line power status, battery power status, battery low/replace status and overload status. 550VA/300 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. Offers 4 minutes battery runtime with a full load of 550VA/300 watts and 15 minutes with a half load of 275VA/150 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

- SMART550USB UPS System
- USB and Telephone interconnection cables
- Instruction manual with warranty information

#### Features

- SMART550USB line interactive UPS system offers voltage regulation and battery support, plus complete AC and dialup/DSL modem line surge suppression
- Supports entry level PC systems for up to 30 minutes during power failures to enable a safe system shutdown
- Supports a max load of 550VA/300 watts for 4 minutes and a half load of 275VA/150 watts for 15 minutes

Automatic Voltage Regulation (AVR) circuits correct brownouts as low as 89 volts without using battery power  
 Attractive stealth black tower configuration  
 Includes 3 battery supported outlets, plus 3 additional surge suppression-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  
 PowerAlert software available via free download from [www.tripplite.com](http://www.tripplite.com)  
 Built-in RJ11 phone suppression jacks protect modem, fax machine or other peripheral with a dialup or DSL line phone connection  
 Built-in audible alarm and 4 front panel LEDs indicate UPS system and line power status  
 550VA/300 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 manufacturers warranty  
 \$200,000 [connected equipment insurance](#) (USA & Canada Only)

## Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V AC
Frequency compatibility	60Hz
OUTPUT	
Output VA	550
Output watts	300
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	4 minutes (550VA)
Half load runtime	15 minutes (275VA)
DC system voltage	12 V DC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	3.6 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	
Front panel LEDs	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 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
<b>EMI / RFI AC noise suppression</b>	Yes
<b>PHYSICAL</b>	
<b>Shipping weight (lbs)</b>	16
<b>Shipping weight (kg)</b>	7.3
<b>Unit weight (lbs)</b>	14.4
<b>Unit weight (kg)</b>	6.5
<b>Unit Dimensions (HWD/in)</b>	8.5 x 5 x 6.5
<b>Unit Dimensions (HWD/cm)</b>	21.6 x 12.7 x 16.5
<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>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=2002](http://www.tripplite.com/products/model.cfm?txtModelID=2002).