

# 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

## **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.

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.

#### 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

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

# **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 REGULATIO	N	
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 & SWIT	CHES	
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 runtime remain.				
Switches	Includes 2 front panel switches - one main on/off power switch and one dual function "alarm cancel" / "self test" butt				
SURGE / NOISE SUPPR	ESSION				
AC surge suppression	480 joules				
AC suppression response time	Instantaneous				
Dataline suppression	Tel/DSL				
EMI / RFI AC noise suppression	Yes				
PHYSICAL					
Shipping weight (lbs)	16				
Shipping weight (kg)	7.3				
Unit weight (lbs)	14.4				
Unit weight (kg)	6.5				
Unit Dimensions (HWD/in)	8.5 x 5 x 6.5				
Unit Dimensions (HWD/cm)	21.6 x 12.7 x 16.5				
Material of construction	PVC				
Form factors supported	Tower				
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				
COMMUNICATIONS					
Network monitoring port	USB				
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 application				
LINE / BATTERY TRANS	SFER				
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 89 volts or less				
High voltage transfer to battery power	Switches to battery power as line voltage increases to 139 volts or higher				
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				
CERTIFICATIONS					

Certifications	Tested to UL1778 (USA), cUL (Canada), Class B (emissions), NOM (Mexico), FCC Part 68 / Industry Canada (Telecommunications)
WARRANTY	
Product warranty	2 year product 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.

# **Related Items**

<b>Extended Warranties</b>		
WEXT3-500-1500	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]
WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]
Software		
WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	Qty: [optional]
Surge Protectors		
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]
USB Hubs/Accessories		
U022-010	USB Cable - 10-ft. USB 2.0 AB Gold Device Cable	Qty: [optional]
Wallmount Bracket		
UPSWM	Wallmount Bracket and installation accessories (4 washers, 4 screws, 1 Velcro safety strap)	Qty: [optional]

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