Smart USB UPS System

Intelligent, line-interactive battery backup for workstations

Model #: SMART550USB

- 550VA 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 line surge suppression
- $200,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)
- Estimated Retail Pricing: $115.00

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 83 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. 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 voltage boost operation. 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 5 minutes battery runtime with a full load of 550VA/300 watts and 17 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).

KEY BUYING POINTS

- 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 5 minutes and a half load of 275VA/150 watts for 17 minutes
- Automatic Voltage Regulation (AVR) circuits correct brownouts as low as 83 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
- 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)

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, U022-010
- Dataline protectors: DNET1, DTEL2, DCATV
- Wallmount Bracket: UPSWM
- Circuit Tester: CT120
- Watchdog software: WATCHDOGSW
- Extended warranties: 3 Year WEXT3-500-1500, 5 Year WEXT5-500-1500

PACKAGE INCLUDES

- SMART550USB 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 usable 120V levels. Includes battery-supported and surge-only outlets, TEL/DSL 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):	550
Output watt capacity (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 output receptacles (3 with UPS and surge suppression / 3 with surge suppression only)

INPUT

Maximum input amps:	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 (550VA)
Half load runtime:	17 minutes (275VA)
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 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:	480 joules
AC suppression response time:	Instantaneous
Dataline suppression:	Single line TEL/DSL surge suppression with RJ-style phone connectors (center 2 wires protected, 260V clamping), includes phone cable
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, 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

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.
Therefore, your product may vary slightly from what is currently listed.

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