

# Internet AVR UPS

## Ultra compact line interactive UPS system



**Cisco**  
Compatible

**Resco Systems**  
Technology Developer Partner

### Model #: AVRX550U

- ▶ Ultra-compact line interactive UPS
- ▶ Maintains 230V nominal over an input voltage range of 159 to 282V
- ▶ 6 C13 outlets (3 UPS / 3 surge-only)
- ▶ USB port with HID protocol support, cabling and included PowerAlert monitoring software
- ▶ Single line Tel/DSL modem surge suppression
- ▶ 2 year warranty

## DESCRIPTION

Tripp Lite's AVRX550U line interactive UPS offers complete protection for PCs, workstations and other sensitive electronics in an attractive ultra-compact, mountable housing. Prevents data loss and system downtime by providing battery supported AC output during blackout conditions. Built-in Automatic Voltage Regulation (AVR) maintains 230V nominal output during brownouts as low as 159v and overvoltages to 282v. 6 widely spaced C13 output receptacles accommodate large transformer plugs without blocking outlets. 3 outlets with full battery support and surge suppression protect computers, monitors and other vital system components from loss of power. 3 additional outlets with surge suppression-only are ideal for printers and other accessories not requiring battery support. Single line telephone suppression jacks protect modem, fax machine, cordless phone or other peripherals with a standard dialup or DSL phone line connection. USB port with PowerAlert monitoring software and cabling enables safe unattended system shutdown in the case of extended power failure. HID compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows, Mac OS X and Linux. Audible alarm and front panel LEDs offer status information regarding line and battery power operation. 550VA / 300 watt power handling ability supports entry-level PCs for up to 17 minutes during power failures. 2 year warranty.

## KEY BUYING POINTS

- AVRX550U line interactive UPS offers complete protection from blackouts, brownouts and surges on both AC and Tel/DSL line connections
- Automatic Voltage Regulation (AVR) maintains 230V nominal output during brownouts as low as 159V and overvoltages to 282V
- 6 widely spaced C13 outlets accommodate large transformer plugs without blocking outlets
- 3 battery supported outlets protect computer, monitor and vital system peripherals, plus 3 additional surge suppression-only outlets for printers and other system accessories not requiring battery support
- Uninterruptible power supply (UPS) provides battery derived AC output during blackouts and and voltage boost/cut operation during brownouts and overvoltages
- 550VA / 300 watt power handling ability supports a variety of PCs, workstations and other sensitive electronics
- FULL HALF LOAD RUNTIME INFO TO COME - Supports entry-level PC systems up to 17 minutes during blackout conditions
- Built-in single line Tel/DSL line surge suppression protects modem, fax machine or cordless phone
- USB port, PowerAlert software and cabling offer safe unattended shutdown without data loss during extended outages
- HID compliant USB port enables full integration with built-in power management and auto shutdown features of Windows, Linux and Mac OS X
- Supports 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
- Hot swappable user battery replacement supported via battery access door
- Space saving, ultra-compact housing fits almost anywhere
- Keyhole mounting flanges enable secure wallmount installation

## TYPICAL APPLICATIONS

- Basic PCs for home / home-office use, network workstations, audio/video equipment, home entertainment systems and other sensitive

electronic devices.

## OPTIONS & ACCESSORIES

- Watchdog software: [WATCHDOGSW](#)
- USB Hubs: [U222-004-R](#), [U202-004-R](#), [U203-004-R](#), [U205-004-R](#)
- USB Extension Cables: [U004-006](#), [U004-006-R](#), [U004-010](#), [U004-010-R](#), [U005-010I](#)
- USB Extension Cables: [U004-006](#), [U004-006-R](#), [U004-010](#), [U004-010-R](#), [U005-010I](#)
- Power cables: [P004-006](#)

## PACKAGE INCLUDES

- UPS System
- PowerAlert Software & USB cable
- Instruction manual with warranty information

## COMPLETE SPECIFICATIONS

### SYSTEM OVERVIEW

**System overview:** Ultra compact line interactive UPS, 3 UPS supported outlets with surge suppression and 3 surge suppression only outlets, single-line TEL/DSL surge suppression and HID compliant USB monitoring port

**Voltage compatibility:** 230

**Frequency compatibility:** 50 / 60 Hz

### OUTPUT

**Output volt amp capacity (VA):** 550

**Output watt capacity (watts):** 300

**Output nominal voltage:** 230

**Output voltage regulation:** LINE MODE: 230V +8%, -21% / BATTERY MODE: PWM sine wave output 115V +/-5%

**Output frequency regulation:** LINE MODE: Passes line frequency of 50/60Hz +/-10% BATTERY MODE: Inverter output regulated to 50Hz +/-0.5Hz

**Outlet quantity / type:** 6 C13 outlets (3 UPS supported / 3 surge-only)

### INPUT

**Input connection type:** C14 inlet

**Input cord length:** Includes two 1.8m C13 to C14 power cables

### BATTERY

**Full load runtime:** RUNTIME TO COME

**Half load runtime:** RUNTIME TO COME

**DC system voltage:** 12V

**Battery recharge rate:** 2-4 hours to 90%

### VOLTAGE REGULATION

**Voltage regulation description:** Maintains 230V nominal output over an input voltage range of 159 to 282VAC

**Overvoltage correction:** Input voltages between 245 and 282 are reduced by 12%

**Brownout correction:** Input voltages between 159 and 205 are boosted by 14%

### LEDS ALARMS & SWITCHES

**Front panel LEDs:** 2 LEDs indicate line power, battery power status

**Alarms:** Audible alarm beeps at regular intervals to indicate battery backup operation. Alarm also sounds during self-test operation.

**Switches:** Combination power off / on / self-test push button switch

## **SURGE / NOISE SUPPRESSION**

**AC surge suppression:** 320 joules

**Dataline suppression:** Single line TEL/DSL surge suppression with RJ-style phone connectors (center 2 wires protected, 260V clamping).

**EMI / RFI AC noise suppression:** Yes

## **PHYSICAL**

**Unit weight (lbs):** 10.4

**Unit weight (kg):** 4.7

**Unit Dimensions (HWD/in):** 3.5 x 11.25 x 5.9

**Unit Dimensions (HWD/cm):** 8.89 x 28.6 x 14.9

**Material of construction:** ABS

**Form factors supported:** Ultra-compact desk/floor mount - keyhole mounting tabs enable wallmount installation

**Battery Access:** Hot-swappable batteries are accessible via battery door

## **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:** Single built-in USB port supports on battery, low battery and power restored messaging. Interface supports timed inverter shutoff after unattended shutdown. Compatible with Tripp Lite's PowerAlert and Watchdog service software

**Software and cabling included:** Includes USB cable and PowerAlert UPS monitoring software

**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 from AC to battery mode as line power drops to 159V or less. System resets to AC mode as line voltage increases to 167V or higher

**High voltage transfer to battery power:** Switches from AC to battery mode as line power increases to 282V or higher. System resets to AC mode as line voltage decreases to 274V or less.

## **CERTIFICATIONS**

**Certifications:** CE (EN62040), GOST, SASO

## **WARRANTY**

**Product warranty:** 2 years

## **SPECIAL FEATURES**

**Cold Start:** Yes, inverter can be "cold started" to enable temporary AC output during a power failure

**Appearance:** Attractive black ultra-compact housing

*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.*



**Tripp Lite World Headquarters**  
1111 W. 35th Street  
Chicago, IL 60609 USA

**Customer Support**  
(773) 869-1234

© 2006 Tripp Lite. All Rights Reserved.