

## AVR Series 230V 550VA 300W Ultra-Compact Line-Interactive UPS with USB port, C13 Outlets

MODEL NUMBER: AVRX550U



### Highlights

- 550VA ultra-compact 230V line interactive UPS
- Corrects brownouts and overvoltages from 159V to 282V
- 3 UPS battery supported outlets, 3 surge-only outlets
- USB port, TEL/DSL protection, Wall mountable
- C14 inlet and 6 C13 outlets

### Package Includes

- AVRX550U UPS System
- USB cable
- Two C13 to C14 power cables
- Instruction manual

### Description

Tripp Lite's AVRX550U Ultra-Compact Line Interactive UPS offers complete power protection for desktop PCs, network workstations and a wide variety of professional and consumer electronic devices. Uninterruptible Power Supply / UPS circuits switch to battery backup mode within milliseconds to keep connected equipment running without interruption or data loss during power failures. Automatic Voltage Regulation / AVR power conditioning maintains smooth, continuous operation of connected equipment during brownouts and overvoltages. Surge-only outlets offer convenient protection for printers and other desktop accessories not requiring battery support. AC and dataline surge suppression prevents connected equipment damage. USB communications port supports built-in power management and auto-shutdown features of Windows and Mac OS X or full featured monitoring and data-saving auto-shutdown options using Tripp Lite's free PowerAlert monitoring software.

### Features

- AVRX550U ultra-compact 230V line interactive UPS offers complete AC power protection from blackouts, brownouts and transient surges
- 550VA / 300 watt UPS output capacity
- Uninterruptible Power Supply / UPS operation maintains battery-derived AC output during blackouts to prevent data loss and system downtime for connected equipment
- Built-in USB port enables data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from [www.tripplite.com/poweralert](http://www.tripplite.com/poweralert)
- HID-compliant USB port also enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Automatic Voltage Regulation / AVR corrects extended brownouts and overvoltages from 159 to 282V, without using battery power
- 5.1 minutes runtime at 50% load (150 watts)



- Up to 10 minutes runtime for a small desktop computer system consuming 80 watts continuous
- 6 total C13 outlets; Includes two 2m C13 to C14 power cables
- 3 UPS battery backup outlets, plus 3 additional surge-only outlets
- C14 inlet supports a variety of site specific input cordsets
- Network grade AC surge and lightning protection is available from all outlets; Built-in data line surge suppression protects a single dialup or DSL line
- 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
- Built-in grounding lug
- Hot swappable user battery replacement supported via easy access battery access door
- Optional PDUBHV10 bypass PDU enables hot-swappable UPS replacement with no disruption to connected equipment
- Space saving, ultra-compact housing with support for wall-mount, desktop or floor placement

## Specifications

| OVERVIEW  |   |
|---|---|
| UPC Code  | 037332123473                              |
| OUTPUT  |   |
| Output Volt Amp Capacity (VA)                   | 550                                       |
| Output Watt Capacity (Watts)                    | 300                                       |
| Nominal Output Voltage(s) Supported             | 220V; 230V; 240V                          |
| Nominal Voltage Details                         | 230V nominal output in battery mode       |
| Frequency Compatibility                         | 50 / 60 Hz                                |
| Frequency Compatibility Details                 | Automatic frequency selection             |
| Output Voltage Regulation (Line Mode)           | +8%, -21%                                 |
| Output Voltage Regulation (Battery Mode)        | +/- 5%                                    |
| Output Receptacles                              | (6) C13                                   |
| Included Output Power Cables                    | Includes 2 C13 to C14 output power cables |
| UPS Output Receptacles (Surge Suppression Only) | 3 UPS outlets, 3 surge-only outlets       |
| Hot-Swap PDU options                            | PDUBHV10 (2U / 8 C13 outlets)             |
| Output AC Waveform (AC Mode)                    | Sine wave                                 |



|   |  |
|---|--|
| Output AC Waveform (Battery Mode)                             | PWM sine wave  |
| <b>INPUT</b>  |  |
| Rated input current (Maximum Load)                            | 10A  |
| Nominal Input Voltage(s) Supported                            | 230V AC  |
| UPS Input Connection Type                                     | C14 inlet  |
| UPS Input Connection Description                              | Attached 15cm line cord with C14 inlet. The C14 inlet accepts user-supplied AC power cord with country specific plug |
| UPS Input Cord Length (ft.)                                   | 0.5  |
| UPS Input Cord Length (m)                                     | 0.2  |
| Input Phase   | Single-Phase   |
| <b>BATTERY</b>  |  |
| Half Load Runtime (min.)                                      | 5.1 min. (150w)  |
| DC System Voltage (VDC)                                       | 12   |
| Battery Access  | Battery access door  |
| Battery Replacement Description                               | Hot-swappable, user replaceable batteries  |
| Expandable Runtime  | No   |
| <b>VOLTAGE REGULATION</b>                                     |  |
| Voltage Regulation Description                                | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 159 to 282VAC       |
| Overvoltage Correction  | Input voltages between 245 and 282 are reduced by 12%  |
| Undervoltage Correction                                       | Input voltages between 159 and 205 are boosted by 14%  |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b>                  |  |
| Switches  | Combination switch controls on/off power status and self-test operation  |
| Audible Alarm   | Audible alarm indicates power-failure and overload status  |
| LED Indicators  | 2 LEDs indicate power status and overload/check battery status   |
| <b>SURGE / NOISE SUPPRESSION</b>                              |  |
| UPS AC Suppression Joule Rating                               | 320  |
| UPS AC Suppression Response Time                              | Instantaneous  |
| UPS Dataline Suppression                                      | 1 line TEL/DSL (1 in / 1 out)  |
| EMI / RFI AC Noise Suppression                                | Yes  |
| <b>PHYSICAL</b>   |  |
| Installation Form Factors Supported with Included Accessories | Tower; Ultra-compact desktop   |



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
www.tripplite.com

|   |   |
|---|---|
| Primary Form Factor                               | Desktop   |
| UPS Power Module Dimensions (hwd, in.)            | 3.5 x 11 x 5.8  |
| UPS Power Module Dimensions (hwd, cm)             | 8.89 x 27.94 x 14.73  |
| UPS Power Module Weight (lbs.)                    | 8.5   |
| UPS Power Module Weight (kg)                      | 3.86  |
| Shipping Dimensions (hwd / in.)                   | 4.600 x 13.400 x 8.800  |
| Shipping Dimensions (hwd / cm)                    | 11.68 x 34.04 x 22.35   |
| Shipping Weight (lbs.)                            | 10.2000   |
| Shipping Weight (kg)                              | 4.63  |
| UPS Housing Material                              | ABS   |
| Primary UPS Height (mm)                           | 89  |
| Primary UPS Width (mm)                            | 279   |
| Primary UPS Depth (mm)                            | 147   |
| <b>ENVIRONMENTAL</b>                              |   |
| Operating Temperature Range                       | +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius   |
| Storage Temperature Range                         | +5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius  |
| Relative Humidity                                 | 0 to 95%, non-condensing  |
| AC Mode BTU / Hr. (Full Load)                     | 54  |
| Battery Mode BTU / Hr. (Full Load)                | 360   |
| AC Mode Efficiency Rating (100% Load)             | 95%   |
| <b>COMMUNICATIONS</b>                             |   |
| Communications Interface                          | USB (HID enabled)   |
| PowerAlert Software                               | For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at <a href="http://www.tripplite.com/poweralert">http://www.tripplite.com/poweralert</a>  |
| Communications Cable                              | USB interface cable included  |
| WatchDog Compatibility                            | Supports Watchdog application, OS and hard-reboot restart options for remote applications   |
| Network UPS Tools Compatibility                   | NUT compatible. See the full list of Tripp Lite NUT compatible UPS systems at <a href="http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp+Lite">http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite</a> |
| <b>LINE / BATTERY TRANSFER</b>                    |   |
| Transfer Time                                     | 4 milliseconds  |
| Low Voltage Transfer to Battery Power (Setpoint)  | 159   |
| High Voltage Transfer to Battery Power (Setpoint) | 282   |



| <b>SPECIAL FEATURES</b>                                     |  |
|---|--|
| Grounding Lug   | Included   |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported   |
| High Availability UPS Features                              | Hot swappable batteries  |
| Green Energy-Saving Features                                | Greater than 95% efficiency - GREEN UPS  |
| <b>CERTIFICATIONS</b>                                       |  |
| UPS Certifications  | CE; Tested to GOST (Russia); Tested to SASO (Saudi Arabia); Meets FCC Part 15 Category B (EMI); ROHS (Restriction of Hazardous Substances) |
| UPS Certification Details                                   | EN62040  |
| <b>WARRANTY</b>   |  |
| Product Warranty Period (International)                     | 2-year limited warranty  |

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