

## AVR Series 120V 550VA 300W Ultra-Compact Line-Interactive UPS with USB port

MODEL NUMBER: AVR550U



### Description

Tripp Lite's AVR550U 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

- AVR550U ultra-compact 120V 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 83 to 147V, without using battery power
- 5.5 minutes runtime at 50% load (150 watts)

### Highlights

- 550VA ultra-compact 120V line interactive UPS
- Corrects brownouts and overvoltages from 83V to 147V
- 4 battery supported outlets, 4 surge-only outlets
- USB port, TEL/DSL protection, Wall mountable, 98% efficient
- NEMA 5-15P input plug and 8 NEMA 5-15R outlets

### Package Includes

- AVR550U UPS System
- USB cable
- Instruction manual



- Up to 10 minutes runtime for an entry level PC with small monitor consuming 90 watts continuous
- 8 built-in NEMA 5-15R outlets, two with extra wide spacing to accommodate transformer plugs
- 4 UPS battery backup outlets, plus 4 additional surge-only outlets
- Right angle NEMA 5-15P input connection with 6ft / 1.8m line cord
- 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
- 98% line mode efficiency rating uses less energy and BTU emissions
- Built-in grounding lug
- Hot swappable user battery replacement
- Space saving, ultra-compact housing with support for wall-mount, desktop or floor placement

## Specifications

| OUTPUT  |                                     |
|---|-------------------------------------|
| Output Volt Amp Capacity (VA)                 | 550                                 |
| Output Watt Capacity (Watts)                  | 300                                 |
| Output Capacity Details                       |                                     |
| Power Factor                                  |                                     |
| Crest Factor                                  |                                     |
| Nominal Output Voltage(s) Supported           | 110V; 115V; 120V                    |
| Nominal Voltage Details                       | 115v nominal output in battery mode |
| Frequency Compatibility                       | 60 Hz                               |
| Frequency Compatibility Details               |                                     |
| Output Voltage Regulation (Line Mode)         | 120V (+8%, -21%)                    |
| Output Voltage Regulation (Economy Line Mode) |                                     |
| Output Voltage Regulation (Battery Mode)      | 115V (+/- 5%)                       |
| Output Receptacles                            | (8) 5-15R                           |
| Output Receptacle Details                     |                                     |
| Output Receptacle Backplate Options           |                                     |
| Included Output Power Cables                  |                                     |



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| UPS Output Receptacles (Surge Suppression Only) | 4 UPS outlets, 4 surge-only outlets  |
| Load Management Receptacles                     |  |
| Output Circuit Breakers                         |  |
| PDU Recommendation Notes                        |  |
| Output AC Waveform (AC Mode)                    | Sine wave  |
| Output AC Waveform (Battery Mode)               | PWM sine wave  |
| <b>INPUT</b>                                    |  |
| Rated input current (Maximum Load)              | 12A  |
| Nominal Input Voltage(s) Supported              | 120V AC  |
| Nominal Input Voltage Description               |  |
| UPS Input Connection Type                       | 5-15P; Right-Angled  |
| UPS Input Connection Description                |  |
| Input Circuit Breakers                          |  |
| UPS Input Cord Length (ft.)                     | 6  |
| UPS Input Cord Length (m)                       | 1.8  |
| Recommended Electrical Service                  | 15A 120V   |
| Input Phase                                     | Single-Phase   |
| <b>BATTERY</b>                                  |  |
| Full Load Runtime (min.)                        |  |
| Half Load Runtime (min.)                        | 5.5 min. (150w)  |
| Expandable Battery Runtime                      |  |
| Expandable Runtime Description                  |  |
| DC System Voltage (VDC)                         | 12   |
| Battery Recharge Rate (Included Batteries)      | 9 hours (10% to 90%)   |
| Internal UPS Replacement Battery Cartridge      |  |
| 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 83 to 147 |
| Overvoltage Correction                          | Input voltages between 128 and 147 are reduced by 12%  |



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| Undervoltage Correction                                       | Input voltages between 83 and 104 are boosted by 14%                    |
| Severe Undervoltage Correction                                |   |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b>                  |   |
| Front Panel LCD Display                                       |   |
| Switches  | Combination switch controls on/off power status and self-test operation |
| Alarm Cancel Operation  |   |
| Audible Alarm   | Audible alarm indicates power-failure and overload status               |
| LED Indicators  | 2 LEDs indicate power status and overload/check battery status          |
| Site Wiring Fault Indication                                  |   |
| <b>SURGE / NOISE SUPPRESSION</b>                              |   |
| UPS AC Suppression Joule Rating                               | 420   |
| UPS AC Suppression Response Time                              | Instantaneous   |
| UPS Dataline Suppression                                      | 1 line TEL/DSL (1 in / 1 out)   |
| UPS Dataline Suppression Details                              |   |
| EMI / RFI AC Noise Suppression                                | Yes   |
| <b>ISOLATION</b>  |   |
| Output Isolation Transformer                                  |   |
| Surge Voltage Withstand Capability                            |   |
| Leakage Current   |   |
| Surge Voltage Attenuation                                     |   |
| Insertion Loss  |   |
| <b>PHYSICAL</b>   |   |
| Included Mounting Accessory Description                       |   |
| Installation Form Factors Supported with Included Accessories | Tower; Ultra-compact desktop  |
| Optional Mounting Accessory Notes                             |   |
| Primary Form Factor   | Desktop   |
| UPS Power Module Dimensions (hwd, in.)                        | 3.50 x 11.20 x 6.00   |
| UPS Power Module Dimensions (hwd, cm)                         | 8.89 x 28.45 x 15.24  |
| UPS Power Module Weight (lbs.)                                | 9   |
| UPS Power Module Weight (kg)                                  | 4.08  |



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| UPS Dimensions Details                        |  |
| Stepdown Transformer Dimensions (hwd / in.)   |  |
| Stepdown Transformer Dimensions (hwd / cm)    |  |
| Included Battery Pack Dimensions (hwd / in.)  |  |
| Included Battery Pack Dimensions (hwd / cm)   |  |
| Shipping Dimensions (hwd / in.)               | 4.720 x 13.390 x 8.660   |
| Shipping Dimensions (hwd / cm)                | 11.99 x 34.01 x 22.00  |
| Shipping Weight (lbs.)                        | 9.4200   |
| Shipping Weight (kg)                          | 4.27   |
| Cooling Method                                |  |
| UPS Housing Material                          | ABS  |
| Primary UPS Height (mm)                       | 889  |
| Primary UPS Width (mm)                        | 2,845  |
| Primary UPS Depth (mm)                        | 1,524  |
| <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)                 | 23   |
| Battery Mode BTU / Hr. (Full Load)            | 341  |
| AC Mode Efficiency Rating (100% Load)         | 98%  |
| AC Economy Mode Efficiency Rating (100% Load) |  |
| Operating Elevation (ft.)                     |  |
| Storage Elevation (ft.)                       |  |
| Audible Noise                                 |  |
| <b>COMMUNICATIONS</b>                         |  |
| Communications Interface                      | USB (HID enabled)  |
| Network Monitoring Port Description           |  |
| 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  |



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| Network UPS Tools Compatibility                             | Yes  |
| <b>LINE / BATTERY TRANSFER</b>                              |  |
| Transfer Time   | 4 milliseconds   |
| Low Voltage Transfer to Battery Power (Setpoint)            | 83   |
| High Voltage Transfer to Battery Power (Setpoint)           | 147  |
| <b>SPECIAL FEATURES</b>                                     |  |
| Grounding Lug   |  |
| 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  | Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category B (EMI) |
| UPS Certification Details                                   |  |
| <b>WARRANTY</b>   |  |
| Product Warranty Period (U.S. & Canada)                     | 3-year limited warranty  |
| Product Warranty Period (Latin America)                     | 3-year limited warranty  |
| Product Warranty Period (International)                     | 2-year limited warranty  |
| Product Warranty Period (Mexico)                            | 3-year limited warranty  |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico)  | \$100,000 & <a href="http://www.tripplite.com/support/insurance-policy">Ultimate Lifetime Insurance</a>    |

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<https://www.tripplite.com/products/product-certification-agencies>