

## AVR Series 900VA Ultra-compact Line-Interactive 120V UPS with USB port

MODEL NUMBER: AVR900U



### Highlights

- 900VA ultra-compact 120V line interactive UPS
- Corrects brownouts and overvoltages from 83V to 147V
- 6 UPS battery supported outlets, 6 surge-only outlets
- USB port, TEL/DSL protection, Wall mountable, 98% efficient
- NEMA 5-15P input plug and 12 NEMA 5-15R outlets

### Package Includes

- AVR900U UPS System
- USB cable
- Instruction manual

### Description

Tripp Lite's AVR900U 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

- AVR900U ultra-compact 120V line interactive UPS offers complete AC power protection from blackouts, brownouts and transient surges
- 900VA / 480 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](http://www.tripplite.com)
- 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
- 8.4 minutes runtime at 50% load (240 watts)
- Up to 45 minutes runtime for entry level PC with small monitor consuming 60 watts continuous
- 12 built-in NEMA 5-15R outlets, two with extra wide spacing to accommodate transformer plugs
- 6 UPS battery backup outlets, plus 6 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
- Optional PDUB15 bypass PDU enable 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

| OUTPUT  |                                     |
|---|-------------------------------------|
| Output Volt Amp Capacity (VA)                   | 900                                 |
| Output Watt Capacity (Watts)                    | 480                                 |
| Nominal Output Voltage(s) Supported             | 115V; 120V                          |
| Frequency Compatibility                         | 60 Hz                               |
| Output Voltage Regulation (Line Mode)           | 120V (+8%, -21%)                    |
| Output Voltage Regulation (Battery Mode)        | 115V (+/- 5%)                       |
| UPS Output Receptacles                          | 12 5-15R outlet(s)                  |
| UPS Output Receptacles (Surge Suppression Only) | 6 UPS outlets, 6 surge-only outlets |
| Hot-Swap PDU options                            | PDUB15 (2U / 8 5-15R outlets)       |
| Output AC Waveform (AC Mode)                    | Sine wave                           |
| Output AC Waveform (Battery Mode)               | PWM sine wave                       |
| INPUT   |                                     |
| Rated input current (Maximum Load)              | 12A                                 |
| Nominal Input Voltage(s) Supported              | 120V AC                             |
| UPS Input Connection Type                       | 5-15P                               |
| UPS Input Cord Length (ft.)                     | 6                                   |
| UPS Input Cord Length (m)                       | 1.8                                 |
| Recommended Electrical Service                  | 15A 120V                            |
| Input Phase                                     | Single-Phase                        |
| BATTERY   |                                     |
| Half Load Runtime (min.)                        | 8.4 min. (240w)                     |
| DC System Voltage (VDC)                         | 12                                  |
| Battery Recharge Rate (Included Batteries)      | 12 hours (10% to 90%)               |



|   |  |
|---|--|
| Internal UPS Replacement Battery Cartridge                    | RBC51  |
| Battery Access  | Battery access door  |
| Battery Replacement Description                               | Hot-swappable, user replaceable batteries  |
| <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 129 and 147 are reduced by 12%  |
| Undervoltage Correction                                       | Input voltages between 83 and 104 are boosted by 14%   |
| <b>LEDS ALARMS &amp; SWITCHES</b>                             |  |
| LED Indicators  | 2 LEDs indicate power status and overload/check battery status   |
| Audible Alarm   | Audible alarm indicates power-failure and overload status  |
| Switches  | Combination switch controls on/off power status and self-test operation                                    |
| <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 / 2 out)  |
| EMI / RFI AC Noise Suppression                                | Yes  |
| <b>PHYSICAL</b>   |  |
| Installation Form Factors Supported with Included Accessories | Tower; Ultra-compact desktop   |
| Primary Form Factor   | Desktop  |
| UPS Power Module Dimensions (hwd, in.)                        | 4 x 12 x 7   |
| UPS Power Module Dimensions (hwd, cm)                         | 10.2 x 30.5 x 17.8   |
| UPS Power Module Weight (lbs.)                                | 15.3   |
| UPS Power Module Weight (kg)                                  | 6.9  |
| UPS Shipping Dimensions (hwd / in.)                           | 5.5 x 14.5 x 9.8   |
| UPS Shipping Dimensions (hwd / cm)                            | 14 x 36.8 x 24.8   |
| Shipping Weight (lbs.)  | 16.3   |
| Shipping Weight (kg)  | 7.4  |
| UPS Housing Material  | ABS  |



| <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)                               | 27  |
| AC Mode Efficiency Rating (100% Load)                       | 98%   |
| <b>COMMUNICATIONS</b>                                       |   |
| Communications Interface                                    | USB (HID enabled)   |
| PowerAlert Software   | Free download from <a href="http://www.tripplite.com">www.tripplite.com</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 (AC to battery) / 1 millisecond (Battery to AC)  |
| Low Voltage Transfer to Battery Power (Setpoint)            | 83  |
| High Voltage Transfer to Battery Power (Setpoint)           | 147   |
| <b>SPECIAL FEATURES</b>                                     |   |
| 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)  |
| <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   |



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| Connected Equipment Insurance<br>(U.S., Canada & Puerto Rico) | \$100,000 <a href="#">Ultimate Lifetime Insurance</a> |
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