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## Model #: AVR900U

### AVR Series Line-Interactive UPS System - Affordable line-interactive protection for PCs and workstations

#### Highlights



- 900VA ultra-compact 120V line interactive UPS
- 98% line-mode efficiency saves energy and reduces BTU heat output
- Corrects brownouts and overvoltages from 83 to 147V without using battery power
- 6 UPS battery supported outlets, plus 6 additional surge suppression-only outlets
- USB monitoring port, TEL/DSL surge suppression, accessory grounding lug and keyhole mounting tabs
- Space-saving right angle NEMA 5-15P plug and 12 NEMA 5-15R outlets
- 3 year product warranty / \$100,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)

#### Description

Tripp Lite's AVR900U line-interactive UPS offers complete protection for PCs, workstations and other sensitive electronics in an ultra-compact, mountable housing. Prevents data loss and system downtime by providing battery-supported AC output during blackouts and Automatic Voltage Regulation (AVR) during brownouts and overvoltages. Full load efficiency rating of 98% offers energy-savings and cooler operation. 12 total 5-15R outlets. 6 UPS supported outlets maintain battery-derived AC output during power failures and 6 additional outlets offer surge suppression only protection for printers and other accessories not requiring battery support. Single-line telephone suppression jacks protect modems, fax machines, cordless phones and other equipment with standard dialup or DSL RJ-11 phone line connection. USB port with included cable and PowerAlert monitoring software (available via free download from [www.tripplite.com](http://www.tripplite.com)) enables safe unattended system shutdown in the case of extended power failure. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Audible alarm and front panel LEDs offer status information regarding line and battery power operation. 900VA/480 watt power-handling ability supports entry-level PCs for up to 45 minutes during power failures. Built-in grounding lug enables convenient grounding point in professional installations. 3-year warranty. \$100,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico and Canada only).

#### Package Includes

- AVR900U UPS System
- USB cable
- Instruction manual

#### Features

- AVR900U line-interactive UPS offers protection from blackouts, brownouts and surges
- 900VA/480 watt power-handling ability supports a variety of PCs, workstations and other sensitive electronics
- Built-in Automatic Voltage Regulation (AVR) boosts brownouts as low as 83V and reduces overvoltages up to 147V back to usable 120V nominal levels
- Full load efficiency rating of 98% reduces UPS standby power consumption and heat output
- Maintains battery-derived AC output during blackouts and severe voltage fluctuations with up to 35 minutes runtime for an entry level PC system
- 12 total NEMA 5-15R outlets, 4 of which are widely spaced to accommodate large transformer blocks without obscuring adjacent outlets

- 6 outlets feature full battery support, surge suppression and AVR protection for critical equipment loads
- 6 additional outlets offer surge suppression only protection for printers and other accessories not requiring battery support
- Built-in single-line Tel/DSL line surge suppression protects modems, fax machines or cordless phones
- USB port and included cabling offer safe unattended shutdown without data loss when used with PowerAlert UPS monitoring software, available via free download from [www.tripplite.com](http://www.tripplite.com)
- HID-compliant USB port enables integration with built-in power management and auto shutdown features of Windows 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
- Built-in grounding lug offers convenient grounding point in for dataline suppressors and equipment
- Space-saving, ultra-compact housing fits almost anywhere
- Keyhole mounting flanges enable secure wallmount installation

## 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%)
Built-in UPS output receptacles	12 5-15R outlet(s)
Surge suppression only outlets	6 UPS outlets, 6 surge-only outlets
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	PWM sine wave
INPUT	
Rated input current (at maximum load)	12A
Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	5-15P; Space saving right angled input plug
UPS Input cord length (ft.)	6
UPS Input cord length (m)	1.8
Recommended Electrical Service	15A 120V
BATTERY	

Full load runtime (minutes)	3 min. (480w)
Half load runtime (minutes)	10 min. (240w)
DC system voltage (VDC)	12
Replacement battery cartridge (internal UPS battery replacement)	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
Alarms	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; Wallmount (using keyhole mounting tabs)
Primary form factor	Desktop
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	4 x 12 x 7
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	10.2 x 30.5 x 17.8
UPS / Power Module weight (lbs)	15.3
UPS / Power Module weight (kg)	6.9

<b>UPS Shipping dimensions (height x width x depth / inches)</b>	5.5 x 14.5 x 9.8
<b>UPS Shipping dimensions (height x width x depth / cm)</b>	14 x 36.8 x 24.8
<b>Shipping weight (lbs)</b>	16.3
<b>Shipping weight (kg)</b>	7.4
<b>UPS housing material</b>	ABS
<b>ENVIRONMENTAL</b>	
<b>Operating Temperature Range</b>	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
<b>Storage Temperature Range</b>	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
<b>Relative Humidity</b>	0 to 95%, non-condensing
<b>AC mode BTU / hr. (full load)</b>	27
<b>COMMUNICATIONS</b>	
<b>Communications interface</b>	USB (HID enabled)
<b>PowerAlert software</b>	Free download from <a href="http://www.tripplite.com">www.tripplite.com</a>
<b>Communications cable</b>	USB interface cable included
<b>WatchDog compatibility</b>	Supports Watchdog application, OS and hard-reboot restart options for remote applications
<b>LINE / BATTERY TRANSFER</b>	
<b>Transfer time</b>	4 milliseconds (AC to battery) / 1 millisecond (Battery to AC)
<b>Low voltage transfer to battery power (setpoint)</b>	83
<b>High voltage transfer to battery power (setpoint)</b>	147
<b>SPECIAL FEATURES</b>	
<b>Cold Start (startup in battery mode during a power failure)</b>	Cold-start operation supported
<b>High availability UPS features</b>	Hot swappable batteries
<b>Green &amp; high efficiency features</b>	Greater than 95% efficiency - GREEN UPS
<b>CERTIFICATIONS</b>	
<b>UPS Certifications</b>	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category B (EMI); Meets FCC Part 68 / Industrie Canada (telecommunications); ROHS (Reduction of Hazardous Substances)
<b>WARRANTY</b>	
<b>Product Warranty Period (U.S., Canada &amp; Puerto Rico)</b>	3 years

Connected Equipment Insurance (U.S., Canada & Puerto Rico)

\$100,000 connected equipment insurance

## Related Items

### Optional Products

Product Type	Related Model	Description	Qty.
USB Cables & Adapters	<a href="#">U005-10I</a>	10-inch USB A/A Gold Extension Cable (USB-A Right Angle Male to USB-A Female)	-
Software	<a href="#">SU2200RTXL2UA</a>	SmartOnline Expandable 2U Rack / Tower UPS System - On-line, double-conversion, sine wave UPS with PDU switching, current monitoring and fault tolerant auto-bypass	-
Audio Cables	<a href="#">CT120</a>	Instant-Read- AC Outlet Circuit Tester	-
Surge Protectors	<a href="#">DTEL2</a>	Network Surge Suppressor - Essential protection for data and communication lines	-
USB Hubs/Accessories	<a href="#">U222-004-R</a>	4-Port USB2.0 Ultra-Mini Hub	-
Surge Protectors	<a href="#">DNET1</a>	Network Surge Suppressor - Essential protection for data and communication lines	-
Extended Warranties	<a href="#">WEXT5-INTERNET</a>	5-Year Extended Warranty - For Internet Office, AVR and ECO Series UPS Systems	-

More information, including related products, owner's manuals, and additional technical specifications, can be found online at [www.tripplite.com/en/products/model.cfm?txtModelID=3649](http://www.tripplite.com/en/products/model.cfm?txtModelID=3649).

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