# 900VA 480W Line-Interactive UPS - 12 NEMA 5-15R Outlets, AVR, 120V, 50/60 Hz, USB, Desktop/Wall Mount

MODEL NUMBER: **AVR900U**

Desktop UPS provides battery backup support with automatic voltage regulation (AVR) for your home/office network system or home theater.

## Features

**900VA/480W/120V Battery Backup for PCs, Home Theater or Digital Signage**
The line-interactive AVR900U UPS system with AVR protection provides reliable battery backup and AC power protection against blackouts, brownouts, overvoltages, surges and line noise that can damage valuable electronics or destroy data. The 12-outlet 120V battery backup is ideal protection for your home office, media center or commerce components, including computers, routers, printers, HDTVs, Blu-ray players, game consoles, ATMs, security systems and digital signage equipment.

**Allows Time to Back Up Critical Files During a Blackout**
Backup support allows you to work through short power failures and gives you enough time to safely save files and shut down your system in case of a prolonged blackout. Backup time varies according to load, but the line-interactive UPS system should keep an energy-efficient desktop computer with small LCD monitor powered as long as 47 minutes. During normal operation, incoming utility power keeps the replaceable internal battery fully charged, so backup power will always be available.

**12 NEMA 5-15R Outlets Protect Your Connected Components**
Six 5-15R outlets provide battery backup, surge protection and voltage regulation for your computer, monitor and other crucial components. The other six 5-15R outlets provide surge suppression only for printers, speakers and other desktop equipment regarded as non-essential during a blackout. A high >96% line mode efficiency rating reduces BTU emissions, energy consumption and, ultimately, your energy costs.

**Automatic Voltage Regulation (AVR) Corrects Low- and High-Voltage Conditions**
AVR protects your equipment from incremental hardware damage, data loss and performance problems caused by brownouts and overvoltages. The AVR900U can correct brownouts as low as 89V and overvoltages as high as 145V back to nominal 120V power continuously, all while keeping the battery fully charged and ready to take over in case of power failure.

**316 Joules Fight Back Against Unexpected Power Surges**
A 316-joule surge suppression rating protects connected components from the harmful effects of power surges.

**Combats Electromagnetic Interference That Can Harm Equipment**

## Highlights

- Protects equipment against blackouts, brownouts, overvoltages, surges and line noise
- Keeps AC power running during blackouts to allow time for file saves and safe shutdown
- 12 NEMA 5-15R outlets power and protect PC, home theater or digital signage equipment
- Home-friendly alarm remains silent in backup mode, sounding only when imperative
- High >96% efficiency with low BTU ratings saves electricity and lowers your energy costs

## Applications

- Protect your PC and other sensitive electronics against power surges, line noise, brownouts, overvoltages and blackouts
- Operate essential equipment during short-term power outages using battery backup power
- Shut down desktop PCs and other equipment without data loss during long-term power outages
- Extend runtime for DVRs, wireless routers and other low-power home network equipment

## Package Includes

- AVR900U 900VA 480W 120V Line-Interactive UPS with 12 Outlets
- USB cable
- Owner’s manual

Various electromagnetic and radio sources found in virtually every home and business can cause disruptive interference on the AC line. Known as EMI (electromagnetic interference) and RFI (radio frequency interference), this line noise is a common cause of performance problems and can lead to incremental hardware damage, data corruption and audio/video transmission problems. The AVR900U incorporates technology that filters out disruptive line noise so that it won't affect your equipment.

**Home-Friendly Alarm and Diagnostic LEDs Keep You Informed 24/7**
The UPS remains silent in both line and battery backup modes. The alarm sounds only to report low battery, battery replace, overload and fault condition. Dual front-panel LEDs report line and battery mode operation.

**HID-Compliant USB Port Allows for Automatic Saves and Shutdowns**
This USB port connects the AVR900U to a computer running free downloadable PowerAlert® software to enable safe unattended file saves and system shutdown in case of a prolonged power failure. USB cable is included.

**Compact Housing Compatible with Easy Desktop or Wall-Mount Installation**
The space-saving ABS housing fits on a desktop, shelf or anywhere else convenient to your workstation or home theater. Keyhole mounting tabs on the rear allow easy wall-mount installation. The five-foot power cord with NEMA 5-15P plug connects to any compatible AC outlet.

# Specifications

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| **OVERVIEW** | |
| UPC Code | 037332211491 |
| UPS Type | Line-Interactive |
| **INPUT** | |
| Input Phase | Single-Phase |
| Rated input current (Maximum Load) | 10A |
| Nominal Input Voltage(s) Supported | 120V AC |
| UPS Input Connection Type | 5-15P |
| Input Circuit Breakers | 10A |
| UPS Input Cord Length (ft.) | 5 |
| UPS Input Cord Length (m) | 1.5 |
| Recommended Electrical Service | 15A 120V |
| Maximum Input Amps | 10 |
| **OUTPUT** | |
| Output Capacity (VA) | 900 |
| Output Capacity (kVA) | 0.9 |
| Output Capacity (Watts) | 480 |
| Output Capacity (kW) | 0.48 |
| Nominal Voltage Details | 120v nominal output in battery mode |

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| Frequency Compatibility | 50 / 60 Hz |
| Output Voltage Regulation (Line Mode) | 120V (+6%/-12%) |
| Output Voltage Regulation (Battery Mode) | 120V (±10%) |
| 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) | PWM sine wave |
| Output AC Waveform (Battery Mode) | PWM sine wave |
| Nominal Output Voltage(s) Supported | 110V; 115V; 120V |
| Output Receptacles | (12) 5-15R |
| Individually Controllable Load Banks | No |
| **BATTERY** | |
| Battery Type | Valve Regulated Lead Acid (VRLA) |
| Runtime Full Load (min.) | 2.7 min. (480W) |
| Runtime Half Load (min.) | 10 min. (240W) |
| Expandable Runtime | No |
| DC System Voltage (VDC) | 12 |
| Battery Recharge Rate (Included Batteries) | 8 hours (10% to 90%) |
| Battery Access | Battery access door |
| Internal UPS Replacement Battery Cartridge |  <a class="productLink" href="//tripplite.eaton.com/UPS-Replacement-Battery-Cartridge-Tripp-Lite-APC-Belkin-Best-Powerware-Liebert-other-UPS~RBC51">RBC51</a>  |
| Battery Replacement Description | Replaceable internal batteries (see manual) |
| **VOLTAGE REGULATION** | |
| Voltage Regulation Description | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 89 to 145 |
| Overvoltage Correction | Input voltages between 128 and 145 are reduced by 15% |
| Undervoltage Correction | Input voltages between 89 and 108 are boosted by 18% |
| **USER INTERFACE, ALERTS & CONTROLS** | |
| Switches | Power off/on switch |
| Audible Alarm | UPS remains silent in battery backup mode; Alarm sounds only to report low-battery, fault, overload and replace battery conditions |
| LED Indicators | 2 Status LEDs; GREEN indicates power status and operating mode / RED indicates battery-low, overload, replace-battery and fault conditions |
| **SURGE / NOISE SUPPRESSION** | |

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| UPS Dataline Suppression | 1 line TEL/DSL or Ethernet |
| EMI / RFI AC Noise Suppression | Yes |
| AC Suppression Joule Rating | 316 |
| AC Suppression Response Time | Instantaneous |
| **PHYSICAL** | |
| Primary Form Factor | Desktop |
| Rack Height | 0U |
| Installation Form Factors Supported with Included Accessories | Tower; Ultra-compact desktop; Wallmount |
| Primary UPS Depth (mm) | 305 |
| Primary UPS Height (mm) | 105 |
| Primary UPS Width (mm) | 190 |
| Shipping Dimensions (hwd / in.) | 10.71 x 6.30 x 15.00 |
| Shipping Dimensions (hwd / cm) | 27.20 x 16.00 x 38.10 |
| Shipping Weight (lbs.) | 14.70 |
| Shipping Weight (kg) | 6.67 |
| UPS Housing Material | ABS |
| UPS Power Module Dimensions (hwd, cm) | 10.52 x 19.00 x 30.48 |
| UPS Power Module Dimensions (hwd, in.) | 4.14 x 7.48 x 12 |
| UPS Power Module Weight (kg) | 7.48 |
| UPS Power Module Weight (lbs.) | 16.5 |
| Unit Weight (lbs.) | 14.700 |
| Unit Weight (kg) | 6.67 |
| **ENVIRONMENTAL** | |
| Operating Temperature Range | 32° to 104°F (0° to 40°C) |
| Storage Temperature Range | 5° to 113°F (-15° to 45°C ) |
| Relative Humidity | 0-90% non-condensing |
| AC Mode BTU / Hr. (Full Load) | 41 |
| AC Mode Efficiency Rating (100% Load) | >96% |
| Operating Elevation | 0-10000 ft. (0-3000 m) |
| **COMMUNICATIONS** | |
| PowerAlert Software | For local monitoring via the UPS's built-in communication ports, download PowerAlert software at https://tripplite.eaton.com/products/power-alert |
| Communications Cable | USB interface cable included |

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| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| Network Management Card Description | Network management not supported |
| Communications Interface | USB (HID enabled) |
| **LINE / BATTERY TRANSFER** | |
| Transfer Time | 6 milliseconds typical (10 milliseconds max) |
| Low Voltage Transfer to Battery Power (Setpoint) | 89 |
| High Voltage Transfer to Battery Power (Setpoint) | 145 |
| **FEATURES & SPECIFICATIONS** | |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| High Availability UPS Features | Automatic Voltage Regulation (AVR); Surge/noise protection |
| Green Energy-Saving Features | Greater than 95% efficiency - GREEN UPS |
| Grounding Details | Includes optional side-panel grounding lug |
| **APPLICATIONS** | |
| UPS Applications | Home/Office Desktop; Audio/Video; Retail/Point of Sale; Hospitality |
| **STANDARDS & COMPLIANCE** | |
| Product Certifications | RETIE (Colombia); CSA (Canada); NOM (Mexico); UL 1778 |
| Product Compliance | ENERGY STAR Qualified; RoHS; FCC Part 15 Class A (USA) |
| **WARRANTY & SUPPORT** | |
| 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 class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>  |

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