

## AVR Series 700VA Ultra-compact Line-Interactive 120V UPS with USB port

MODEL NUMBER: **AVR700U**



### Highlights

- 700VA ultra-compact 120V line interactive UPS
- Corrects brownouts and overvoltages from 83V to 147V
- 4 UPS 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

- AVR700U UPS System
- USB cable
- Instruction manual

### Description

Tripp Lite's AVR700U 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

- AVR700U ultra-compact 120V line interactive UPS offers complete AC power protection from blackouts, brownouts and transient surges
- 700VA / 350 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
- 8.6 minutes runtime at 50% load (175 watts)
- 18 minutes runtime for a desktop computer system consuming 80 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



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- 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)                   | 700                                 |
| Output Watt Capacity (Watts)                    | 350                                 |
| Nominal Output Voltage(s) Supported             | 115V; 120V                          |
| Frequency Compatibility                         | 60 Hz                               |
| Output Voltage Regulation (Line Mode)           | +8%, -21%                           |
| Output Voltage Regulation (Battery Mode)        | 115V (+/- 5%)                       |
| UPS Output Receptacles                          | 8 5-15R outlet(s)                   |
| UPS Output Receptacles (Surge Suppression Only) | 4 UPS outlets, 4 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.)                        | 8.6 min. (175w)                     |
| DC System Voltage (VDC)                         | 12                                  |
| Battery Recharge Rate (Included Batteries)      | 12 hours (10% to 90%)               |



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|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 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 128 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 / 1 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.)                        | 3.5 x 11.3 x 6                                                                                             |
| UPS Power Module Dimensions (hwd, cm)                         | 8.9 x 28.7 x 15.2                                                                                          |
| UPS Power Module Weight (lbs.)                                | 11                                                                                                         |
| UPS Power Module Weight (kg)                                  | 5                                                                                                          |
| UPS Shipping Dimensions (hwd / in.)                           | 4.8 x 13.5 x 8.8                                                                                           |
| UPS Shipping Dimensions (hwd / cm)                            | 12.1 x 34.3 x 22.2                                                                                         |
| Shipping Weight (lbs.)                                        | 12                                                                                                         |
| Shipping Weight (kg)                                          | 5.4                                                                                                        |
| UPS Housing Material                                          | ABS                                                                                                        |
| <b>ENVIRONMENTAL</b>                                          |                                                                                                            |
| Operating Temperature Range                                   | +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius                                                  |



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|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 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)                               | 30                                                                                                         |
| 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                  |
| <b>LINE / BATTERY TRANSFER</b>                              |                                                                                                            |
| Transfer Time                                               | 2-4 milliseconds                                                                                           |
| Low Voltage Transfer to Battery Power (Setpoint)            | 83                                                                                                         |
| High Voltage Transfer to Battery Power (Setpoint)           | 147                                                                                                        |
| <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                                          | 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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