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AVR Series 120V 650VA 325W Ultra-Compact Line-Interactive UPS with USB port and Muted Alarm

MODEL NUMBER: **AVR650UM**



Description

Tripp Lite's AVR650UM 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

- AVR650UM ultra-compact 120V line interactive UPS offers complete AC power protection from blackouts, brownouts and transient surges
- 650VA / 325 watt UPS output capacity
- Audible alarm is completely muted from the factory
- 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
- 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,

Highlights

- 650VA ultra-compact 120V line interactive UPS
- Audible alarm is muted for full-time silent operation
- 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

- AVR650UM UPS System
- USB cable
- Instruction manual



without using battery power

- 10 minutes runtime at 50% load (163 watts)
- 30 minutes runtime for a desktop computer with monitor consuming 60 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
- 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

| OVERVIEW | |
|---|-------------------------------------|
| UPC Code | 037332183675 |
| OUTPUT | |
| Output Volt Amp Capacity (VA) | 650 |
| Output Watt Capacity (Watts) | 325 |
| Nominal Output Voltage(s) Supported | 110V; 115V; 120V |
| Nominal Voltage Details | 115v nominal output in battery mode |
| Frequency Compatibility | 60 Hz |
| Output Voltage Regulation (Line Mode) | +8%, -21% |
| Output Voltage Regulation (Battery Mode) | 115V (+/- 5%) |
| Output Receptacles | (8) 5-15R |
| 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; Right-Angled |
| 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.) | 10 min. (162.5w) |
| DC System Voltage (VDC) | 12 |
| Battery Recharge Rate (Included Batteries) | 12 hours (10% to 90%) |
| Battery Access | Battery access door |
| Battery Replacement Description | Hot-swappable, user replaceable batteries |
| Expandable Runtime | No |
| VOLTAGE REGULATION | |
| 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% |
| USER INTERFACE, ALERTS & CONTROLS | |
| Switches | Combination switch controls on/off power status and self-test operation |
| Audible Alarm | Alarm is factory muted for silent operation; Audible alarm can be restored to indicate power failure and overload conditions using PowerAlert UPS management software |
| LED Indicators | 2 LEDs indicate power status and overload/check battery status |
| SURGE / NOISE SUPPRESSION | |
| 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 |
| PHYSICAL | |



| | |
|---|--|
| 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) | 8.89 x 28.70 x 15.24 |
| UPS Power Module Weight (lbs.) | 11 |
| UPS Power Module Weight (kg) | 4.99 |
| Shipping Dimensions (hwd / in.) | 4.750 x 13.500 x 8.750 |
| Shipping Dimensions (hwd / cm) | 12.06 x 34.29 x 22.22 |
| Shipping Weight (lbs.) | 12.0000 |
| Shipping Weight (kg) | 5.44 |
| UPS Housing Material | ABS |
| Primary UPS Height (mm) | 89 |
| Primary UPS Width (mm) | 287 |
| Primary UPS Depth (mm) | 152 |
| ENVIRONMENTAL | |
| 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 |
| Battery Mode BTU / Hr. (Full Load) | 390 |
| AC Mode Efficiency Rating (100% Load) | 98% |
| COMMUNICATIONS | |
| Communications Interface | USB (HID enabled) |
| PowerAlert Software | For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert |
| Communications Cable | USB interface cable included |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| LINE / BATTERY TRANSFER | |
| Transfer Time | 2-4 milliseconds |
| Low Voltage Transfer to Battery Power (Setpoint) | 83 |
| High Voltage Transfer to Battery Power (Setpoint) | 147 |



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| SPECIAL FEATURES | |
|---|--|
| 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 |
| CERTIFICATIONS | |
| UPS Certifications | Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category B (EMI) |
| WARRANTY | |
| 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 Ultimate Lifetime Insurance |

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