

## AVR Series 230V 750VA 450W Ultra-Compact Line-Interactive UPS with USB port, C13 Outlets

MODEL NUMBER: **AVRX750U**



### Highlights

- 750VA ultra-compact 230V line interactive UPS
- Corrects brownouts and overvoltages from 159V to 282V
- 3 UPS battery supported outlets, 3 surge-only outlets
- USB port, TEL/DSL protection, Wall mountable
- C14 inlet and 6 C13 outlets

### Package Includes

- AVRX750U UPS System
- USB cable
- Two C13 to C14 power cables
- Instruction manual

### Description

The AVRX750U 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 macOS or full featured monitoring and data-saving auto-shutdown options using free PowerAlert® monitoring software.

### Features

- AVRX750U ultra-compact 230V line interactive UPS offers complete AC power protection from blackouts, brownouts and transient surges
- 750VA / 450 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 PowerAlert software, available via FREE download from [tripplite.eaton.com/products/power-alert](http://tripplite.eaton.com/products/power-alert)
- HID-compliant USB port also enables integration with built-in power management and auto shutdown features of Windows and macOS
- Automatic Voltage Regulation / AVR corrects extended brownouts and overvoltages from 159 to 282V, without using battery power
- 2.4 minutes runtime at 100% load (450 watts), 8.6 minutes runtime at 50% load (225 watts)
- 32 minutes runtime for a desktop computer system consuming 80 watts continuous
- 6 total C13 outlets; Includes two 2m C13 to C14 power cables
- 3 UPS battery backup outlets, plus 3 additional surge-only outlets
- C14 inlet supports a variety of site specific input cordsets
- Network grade AC surge protection is available from all outlets
- Built-in data line surge suppression protects a single dialup or DSL line

- Supports 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
- Built-in grounding lug
- Hot swappable user battery replacement
- Optional PDUBHV10 bypass PDU enables 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                                        | 037332123138                                                                                                          |
| UPS Type                                        | Line-Interactive                                                                                                      |
| INPUT                                           |                                                                                                                       |
| Input Phase                                     | Single-Phase                                                                                                          |
| Rated input current (Maximum Load)              | 10A                                                                                                                   |
| Nominal Input Voltage(s) Supported              | 230V AC                                                                                                               |
| UPS Input Connection Type                       | C14 inlet                                                                                                             |
| UPS Input Connection Description                | Attached 15cm line cord with C14 inlet. The C14 inlet accepts user-supplied AC power cord with country specific plug. |
| UPS Input Cord Length (ft.)                     | 0.5                                                                                                                   |
| UPS Input Cord Length (m)                       | 0.2                                                                                                                   |
| OUTPUT                                          |                                                                                                                       |
| Output Capacity (VA)                            | 750                                                                                                                   |
| Output Capacity (kVA)                           | 0.75                                                                                                                  |
| Output Capacity (Watts)                         | 450                                                                                                                   |
| Output Capacity (kW)                            | 0.45                                                                                                                  |
| Nominal Voltage Details                         | 230V nominal output in battery mode                                                                                   |
| Frequency Compatibility                         | 50 / 60 Hz                                                                                                            |
| Frequency Compatibility Details                 | Automatic frequency selection                                                                                         |
| Output Voltage Regulation (Line Mode)           | +8%, -21%                                                                                                             |
| Output Voltage Regulation (Battery Mode)        | +/- 5%                                                                                                                |
| Included Output Power Cables                    | Includes 2 C13 to C14 output power cables                                                                             |
| UPS Output Receptacles (Surge Suppression Only) | 3 UPS outlets, 3 surge-only outlets                                                                                   |

|                                              |                                                                                                                                                                          |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hot-Swap PDU options                         | PDUBHV10 (2U / 8 C13 outlets)                                                                                                                                            |
| Output AC Waveform (AC Mode)                 | Sine wave                                                                                                                                                                |
| Output AC Waveform (Battery Mode)            | PWM sine wave                                                                                                                                                            |
| Nominal Output Voltage(s) Supported          | 220V; 230V; 240V                                                                                                                                                         |
| Output Receptacles                           | (6) C13                                                                                                                                                                  |
| Individually Controllable Load Banks         | No                                                                                                                                                                       |
| <b>BATTERY</b>                               |                                                                                                                                                                          |
| Battery Type                                 | Valve Regulated Lead Acid (VRLA)                                                                                                                                         |
| Runtime Full Load (min.)                     | 2.4 min. (450W)                                                                                                                                                          |
| Runtime Half Load (min.)                     | 8.6 min. (225W)                                                                                                                                                          |
| Expandable Runtime                           | No                                                                                                                                                                       |
| DC System Voltage (VDC)                      | 12                                                                                                                                                                       |
| Battery Access                               | Battery access door                                                                                                                                                      |
| Internal UPS Replacement Battery Cartridge   | &nbsp;<a class="productLink" href="//tripplite.eaton.com/UPS-Replacement-Battery-Cartridge-Tripp-Lite-APC-Belkin-Best-Powerware-Liebert-other-UPS~RBC51">RBC51</a>&nbsp; |
| 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 159 to 282VAC                                                           |
| Overvoltage Correction                       | Input voltages between 245 and 282 are reduced by 12%                                                                                                                    |
| Undervoltage Correction                      | Input voltages between 159 and 205 are boosted by 14%                                                                                                                    |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |                                                                                                                                                                          |
| Switches                                     | Combination switch controls on/off power status and self-test operation                                                                                                  |
| Audible Alarm                                | Audible alarm indicates power-failure and overload status                                                                                                                |
| LED Indicators                               | 2 LEDs indicate power status and overload/check battery status                                                                                                           |
| <b>SURGE / NOISE SUPPRESSION</b>             |                                                                                                                                                                          |
| UPS AC Suppression Joule Rating              | 320                                                                                                                                                                      |
| 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>                              |                                                                                                                                                                          |
| Primary Form Factor                          | Desktop                                                                                                                                                                  |

|                                                               |                                                                                                                                                                                                                                       |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Form Factors Supported with Included Accessories | Tower; Ultra-compact desktop; Wallmount                                                                                                                                                                                               |
| Primary UPS Depth (mm)                                        | 178                                                                                                                                                                                                                                   |
| Primary UPS Height (mm)                                       | 102                                                                                                                                                                                                                                   |
| Primary UPS Width (mm)                                        | 305                                                                                                                                                                                                                                   |
| Shipping Dimensions (hwd / in.)                               | 5.40 x 9.80 x 14.50                                                                                                                                                                                                                   |
| Shipping Dimensions (hwd / cm)                                | 13.72 x 24.89 x 36.83                                                                                                                                                                                                                 |
| Shipping Weight (lbs.)                                        | 14.89                                                                                                                                                                                                                                 |
| Shipping Weight (kg)                                          | 6.75                                                                                                                                                                                                                                  |
| UPS Housing Material                                          | ABS                                                                                                                                                                                                                                   |
| UPS Power Module Dimensions (hwd, cm)                         | 10.16 x 30.48 x 17.78                                                                                                                                                                                                                 |
| UPS Power Module Dimensions (hwd, in.)                        | 4 x 12 x 7                                                                                                                                                                                                                            |
| UPS Power Module Weight (kg)                                  | 6.49                                                                                                                                                                                                                                  |
| UPS Power Module Weight (lbs.)                                | 14.3                                                                                                                                                                                                                                  |
| Unit Weight (lbs.)                                            | 14.3000                                                                                                                                                                                                                               |
| Unit Weight (kg)                                              | 6.49                                                                                                                                                                                                                                  |
| <b>ENVIRONMENTAL</b>                                          |                                                                                                                                                                                                                                       |
| Operating Temperature Range                                   | 32° to 104°F (0° to 40°C)                                                                                                                                                                                                             |
| Storage Temperature Range                                     | 5° to 122°F (-15° to 50°C)                                                                                                                                                                                                            |
| Relative Humidity                                             | 0 to 95%, non-condensing                                                                                                                                                                                                              |
| AC Mode BTU / Hr. (Full Load)                                 | 20                                                                                                                                                                                                                                    |
| AC Mode Efficiency Rating (100% Load)                         | 98%                                                                                                                                                                                                                                   |
| Battery Mode Heat Dissipation (BTU/Hr) @ Full Load            | 459                                                                                                                                                                                                                                   |
| <b>COMMUNICATIONS</b>                                         |                                                                                                                                                                                                                                       |
| PowerAlert Software                                           | For local monitoring via the UPS's built-in communication ports, download PowerAlert software at <a href="https://tripplite.eaton.com/products/power-alert">https://tripplite.eaton.com/products/power-alert</a>                      |
| Communications Cable                                          | USB interface cable included                                                                                                                                                                                                          |
| WatchDog Compatibility                                        | Supports Watchdog application, OS and hard-reboot restart options for remote applications                                                                                                                                             |
| Network UPS Tools (NUT) Compatibility                         | NUT compatible. See a full list of NUT compatible Tripp Lite UPS systems at <a href="https://networkupstools.org/stable-hcl.html?manufacturer=Tripp%20Lite">https://networkupstools.org/stable-hcl.html?manufacturer=Tripp%20Lite</a> |
| Network Management Card Description                           | Network management not supported                                                                                                                                                                                                      |
| Communications Interface                                      | USB (HID enabled)                                                                                                                                                                                                                     |
| <b>LINE / BATTERY TRANSFER</b>                                |                                                                                                                                                                                                                                       |

|                                                             |                                                                                     |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Transfer Time                                               | 2-4 milliseconds                                                                    |
| Low Voltage Transfer to Battery Power (Setpoint)            | 159                                                                                 |
| High Voltage Transfer to Battery Power (Setpoint)           | 282                                                                                 |
| <b>FEATURES &amp; SPECIFICATIONS</b>                        |                                                                                     |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported                                                      |
| High Availability UPS Features                              | Automatic Voltage Regulation (AVR); Hot swappable batteries; Surge/noise protection |
| Green Energy-Saving Features                                | Greater than 95% efficiency - GREEN UPS                                             |
| Grounding Details                                           | Yes                                                                                 |
| <b>APPLICATIONS</b>                                         |                                                                                     |
| UPS Applications                                            | Home/Office Desktop; Audio/Video; Retail/Point of Sale; Hospitality                 |
| <b>STANDARDS &amp; COMPLIANCE</b>                           |                                                                                     |
| Product Certifications                                      | GOST (Russia)                                                                       |
| Product Compliance                                          | RoHS; SASO (Saudi Arabia); CE (Europe); FCC Part 15 Class B (USA)                   |
| <b>WARRANTY &amp; SUPPORT</b>                               |                                                                                     |
| Product Warranty Period (International)                     | 2-year limited warranty                                                             |