

# AVR Series Line Interactive UPS System

Affordable line interactive protection for PCs and workstations



**Cisco**  
Compatible

Cisco Systems  
Technology  
Developed  
for  
the  
Market

## Model #: AVR750U

- ▶ 750VA ultra-compact line interactive UPS
- ▶ Maintains 120V nominal output over an input range of 83 to 147V
- ▶ Workstation optimized features include USB port (HID-PDC compliant), single line TEL / DSL surge suppression and four surge-only outlets
- ▶ Input: NEMA 5-15P (120V 15A) / Output: 12 NEMA 5-15R (120V)
- ▶ 2 year product warranty / \$100,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

## DESCRIPTION

Tripp Lite's AVR750U line interactive UPS offers complete protection for PCs, workstations and other sensitive electronics in an attractive 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. 12 output receptacles, two of which are widely-spaced to accommodate large transformer plugs without blocking outlets. 6 outlets with full battery support and surge suppression protect computers, monitors and other vital system components from loss of power. 6 additional outlets with surge suppression-only are ideal for printers and other accessories not requiring battery support. Single line telephone suppression jacks protect modem, fax machine, cordless phone or other peripherals with a standard dialup or DSL phone line connection. USB port with PowerAlert monitoring software and cabling enables safe unattended system shutdown in the case of extended power failure. HID compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows, Mac OS X and Linux. Audible alarm and front panel LEDs offer status information regarding line and battery power operation. 750VA / 450 watt power handling ability supports entry-level PCs for up to 35 minutes during power failures. 2 year warranty. \$100,000 connected equipment Insurance (USA, Puerto Rico & Canada Only).

## KEY BUYING POINTS

- AVR750U line interactive UPS offers complete protection from blackouts, brownouts and surges on both AC and Tel/DSL line connections
- Built-in Automatic Voltage Regulation (AVR) boosts brownouts as low as 83 and reduces overvoltages up to 147 back to usable 120V nominal levels
- 12 outlets, four of which are widely spaced to accommodate large transformer plugs without blocking outlets
- 6 battery supported outlets protect computer, monitor and vital system peripherals, plus 6 additional surge suppression-only outlets for printers and other system accessories not requiring battery support
- Provides battery derived AC output during blackouts, voltage boost during brownouts and voltage reduction during overvoltages
- 750VA / 450 watt power handling ability supports a variety of PCs, workstations and other sensitive electronics
- Supports entry-level PC systems up to 35 minutes during blackout conditions
- Built-in single line Tel/DSL line surge suppression protects modem, fax machine or cordless phone
- USB port, PowerAlert software and cabling offer safe unattended shutdown without data loss during extended outages
- HID compliant USB port enables full integration with built-in power management and auto shutdown features of Windows, Linux 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
- Space saving, ultra-compact housing fits almost anywhere
- Keyhole mounting flanges enable secure wallmount installation

## TYPICAL APPLICATIONS

- Basic PCs for home / home-office use, network workstations, audio/video equipment, home entertainment systems and other sensitive electronic devices.

## OPTIONS & ACCESSORIES

- Watchdog software: [WATCHDOGSW](#)
- USB Hubs: [U222-004-R](#), [U202-004-R](#), [U203-004-R](#), [U205-004-R](#)
- USB Extension Cables: [U004-006](#), [U004-006-R](#), [U004-010](#), [U004-010-R](#), [U005-010](#)
- Dataline protectors: [DNET1](#) [DTEL2](#), [DCATV](#)
- Circuit Tester: [CT120](#)
- Extended warranties: 3 Year [WEXT3-INTERNET](#), 5 Year [WEXT5-INTERNET](#)

## PACKAGE INCLUDES

- AVR750U UPS System
- PowerAlert Software, USB cable, Phone cable
- Instruction manual with warranty information

## COMPLETE SPECIFICATIONS

### SYSTEM OVERVIEW

**System overview:** Ultra compact line interactive UPS, 6 UPS supported outlets with surge suppression and 6 surge suppression only outlets, single-line TEL/DSL surge suppression and HID compliant USB monitoring port

**Voltage compatibility:** 120VAC

**Frequency compatibility:** 60Hz

### OUTPUT

**Output volt amp capacity (VA):** 750

**Output watt capacity (watts):** 450

**Output nominal voltage:** 120VAC

**Output voltage regulation:** Sine wave 120V +8% / -21% (line mode) / PWM sine wave 115V +/-5% (battery mode)

**Output frequency regulation:** LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz

**Outlet quantity / type:** 12 NEMA 5-15R output receptacles (6 with UPS and surge suppression / 6 with surge suppression only)

### INPUT

**Maximum input amps:** 12A

**Input connection type:** NEMA 5-15P

**Input cord length:** 6 ft / 1.8m

**Recommended electrical service:** 120V 15A

### BATTERY

**Full load runtime:** 5 min (750VA)

**Half load runtime:** 17 min (375VA)

**DC system voltage:** 12VDC

**Typical battery lifespan:** 3-6 years, depending on usage

**Battery recharge rate:** 2-4 hours to 90%

### VOLTAGE REGULATION

**Voltage regulation description:** Automatic voltage regulation maintains 120V nominal over an input voltage range of 83 to 147

**Overvoltage correction:** Output voltage is reduced by 12% as line voltage increases to 128V or higher

**Brownout correction:** Output voltage is boosted by 14% as line voltage decreases to 104V or lower

## LEDS ALARMS & SWITCHES

**Front panel LEDs:** 2 LEDs indicate line power, battery power status

**Alarms:** Audible alarm beeps at regular intervals to indicate battery backup operation. Alarm also sounds during self-test operation. Alarm can be disabled altogether via PowerAlert software

**Switches:** Combination power off / on / self-test push button switch

## SURGE / NOISE SUPPRESSION

**AC surge suppression:** 400 joules

**Dataline suppression:** Single line TEL/DSL surge suppression with RJ-style phone connectors (center 2 wires protected, 260V clamping). 1 input jack and 2 output jacks serves as a phone line splitter. Includes 1 phone cable.

**EMI / RFI AC noise suppression:** Yes

## PHYSICAL

**Shipping weight (lbs):** 16.3

**Shipping weight (kg):** 7.4

**Unit weight (lbs):** 15.3

**Unit weight (kg):** 6.9

**Unit Dimensions (HWD/in):** 4 x 12 x 7

**Unit Dimensions (HWD/cm):** 10.2 x 30.5 x 17.8

**Shipping Dimensions (HWD/in):** 5.5 x 14.5 x 9.75

**Shipping Dimensions (HWD/cm):** 14 x 36.8 x 24.8

**Material of construction:** ABS

**Form factors supported:** Ultra-compact desk/floor mount , mounting flanges enable wall-mount installation

**Battery Access:** Hot-swappable batteries are accessible via battery door

## ENVIRONMENTAL

**Operating Temperature:** +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius

**Storage Temperature:** +5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius

**Relative Humidity:** 0 to 95%, non-condensing

## COMMUNICATIONS

**Network monitoring port:** Network monitoring port Single built-in USB port supports on battery, low battery and power restored messaging. Interface supports timed inverter shutoff after unattended shutdown. Compatible with Tripp Lite's PowerAlert and Watchdog service software

**Software and cabling included:** Includes USB cable and PowerAlert UPS monitoring software

**WatchDog compatibility:** Yes, compatible with 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

## LINE / BATTERY TRANSFER

**Transfer time from line power to battery mode:** 2-4 milliseconds

**Low voltage transfer to battery power:** Switches to battery power as line voltage drops to 83V or lower / Resets to AC mode as line voltage increases to 87V or higher

**High voltage transfer to battery power:** Switches to battery power as line voltage increases to 147V or higher / Resets to line power as line voltage drops to 143V or less

## CERTIFICATIONS

**Certifications:**

Tested to UL1778 (USA), CSA (Canada), NOM (Mexico), FCC Class B (emissions), FCC Part 68 and Industry Canada (telecommunications)

**WARRANTY**

**Optional coverage:**

Optional 3 and 5 year on site or factory warranties available for select opportunities, contact Tripp Lite for more information

**Product warranty:**

2 years

**Connected equipment insurance (USA and Canada Only):**

\$100,000 connected equipment insurance (USA, Puerto Rico and Canada only)

**SPECIAL FEATURES**

**Cold Start:**

Yes, inverter can be "cold started" to enable temporary AC output during a power failure

*The policy of Tripp Lite is one of continuous improvement.  
Specifications are subject to change without notice.  
Therefore, your product may vary slightly from what is currently listed.*



**Tripp Lite World Headquarters**  
1111 W. 35th Street  
Chicago, IL 60609 USA

**Customer Support**  
(773) 869-1234

© 2005 Tripp Lite. All Rights Reserved.