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Model #: AVR750U

AVR Series Line-Interactive UPS System - Affordable line-interactive protection for PCs and workstations

Highlights



- 750VA ultra-compact line-interactive UPS
- Maintains 120V nominal output over an input range of 83V to 147V
- Workstation-optimized features include USB port (HID-PDC compliant), single-line TEL / DSL surge suppression, 6 battery- and surge-protected outlets and 6 additional surge-only outlets (12 total)
- Space saving right-angle input plug
- Input: NEMA 5-15P (120V 15A) / Output: 12 NEMA 5-15R (120V)
- 2-year product warranty / \$100,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico and Canada only)

Description

Tripp Lite's AVR750U line-interactive UPS offers complete protection for PCs, workstations and other sensitive electronics in an 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. Includes 12 output receptacles, 4 of which are widely spaced to accommodate large transformer blocks without obscuring adjacent outlets. 6 outlets feature full battery support and surge suppression, protecting computers, monitors and other vital system components from power loss. 6 additional outlets with surge suppression only are ideal for printers and other peripherals not requiring battery support. Single-line telephone suppression jacks protect modems, fax machines, cordless phones or other equipment with a DSL or standard dialup RJ-11 phone line connection. USB port with included cable and PowerAlert monitoring software enables safe unattended system shutdown in case of extended power failure. HID-compliant USB interface enables integration with built-in power management and auto-shutdown features of Windows and Mac OS X. 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 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico and Canada only).

Applications

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

Package Includes

- AVR750U UPS System
- PowerAlert Software CD-ROM, USB cable, RJ-11 phone cable
- Instruction manual with warranty information

Features

- AVR750U line-interactive UPS offers 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 83V and reduces overvoltages up to 147V back to usable 120V nominal levels
- 12 outlets, 4 of which are widely spaced to accommodate large transformer blocks without obscuring adjacent outlets
- 6 battery-supported outlets protect computers, monitors 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 modems, fax machines or cordless phones
 USB port, included USB cable and PowerAlert software offer safe, unattended shutdown without data loss during extended outages
 HID-compliant USB port enables integration with built-in power management and auto shutdown features of Windows 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

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120VAC
Frequency compatibility	60Hz
OUTPUT	
Output VA	750
Output 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
INPUT	
Maximum input amps	12A
Input connection type	NEMA 5-15P (space saving right-angle plug)
Input cord length	6 ft / 1.8m
Recommended electrical service	120V 15A
BATTERY	
Full load runtime	3 min (750VA)
Half load runtime	10 min (375VA)
DC system voltage	12VDC
Typical battery lifespan	3 to 6 years, depending on usage
Battery recharge rate	2 to 4 hours to reach 90% charge
Replacement Battery Cartridge	RBC51
VOLTAGE REGULATION	
Voltage regulation description	Automatic voltage regulation maintains 120V nominal over an input voltage range of 83V to 147V
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	Tel/DSL
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	16.3
Shipping weight (kg)	7.4
Shipping Dimensions (HWD/in)	5.5 x 14.5 x 9.75
Shipping Dimensions (HWD/cm)	14 x 36.8 x 24.8
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
Material of construction	ABS
Form factors supported	Ultra-compact
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	USB (HID)
Software and cabling included	Includes USB cable, PowerAlert UPS monitoring software CD-ROM, RJ-11 phone cable
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 to 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 C22.2 No. 107.3 (Canada), NOM (Mexico), Class B (emissions), FCC Part 68 and Industry Canada (telecommunications)
WARRANTY	

Product warranty	2 years
Connected equipment insurance (USA and Canada Only)	\$100,000
Optional coverage	Optional 3- and 5-year on-site or factory warranties available for select opportunities. Contact Tripp Lite for more information.
SPECIAL FEATURES	
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/products/model.cfm?txtModelID=3141.

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