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Model #: AVR550U

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



Highlights

- 550VA 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, 4 battery- and surge-protected outlets and 4 surge-only outlets (8 total)
- Space saving right-angle input plug
- Input: NEMA 5-15P (120V 15A) / Output: 8 NEMA 5-15R (120V)
- 3-year product warranty / \$100,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico and Canada only)

Description

Tripp Lite's AVR550U 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. 8 output receptacles, 2 of which are widely spaced to accommodate large transformer plugs without blocking outlets. 4 outlets feature full battery support and surge suppression, protecting computers, monitors and other vital system components from loss of power. 4 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 and other equipment with standard dialup or DSL RJ-11 phone line connections. USB port with included cable and PowerAlert monitoring software enables safe unattended system shutdown in the 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. 550VA/300 watt power handling ability supports entry-level PCs for up to 17 minutes during power failures. 3-year warranty. \$100,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico and Canada only).

Package Includes

- AVR550U UPS System
- PowerAlert Software, USB cable, Phone cable
- Instruction manual with warranty information

Features

- AVR550U 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
- 8 outlets, two of which are widely spaced to accommodate large transformer plugs without blocking outlets
- 4 battery supported outlets protect computer, monitor and vital system peripherals, plus 4 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
- 550VA/300 watt power handling ability supports a variety of PCs, workstations and other sensitive electronics
- Supports entry-level PC systems up to 17 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 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

OUTPUT	
Output Volt Amp Capacity (VA)	550
Output Watt Capacity (watts)	300
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%)
Built-in UPS output receptacles	8 5-15R outlet(s)
Surge suppression only outlets	4 UPS outlets, 4 surge-only outlets
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	PWM sine wave
INPUT	
Rated input current (at maximum load)	12A
Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	5-15P; Space saving right angled input plug
UPS Input cord length (ft.)	6
UPS Input cord length (m)	1.8
Recommended Electrical Service	15A 120V
BATTERY	
Full load runtime (minutes)	3 min. (300w)
Half load runtime (minutes)	9 min. (150w)

DC system voltage	12V DC
Battery recharge rate (included batteries)	Less than 15 hours from 10% to 90%
Battery Access	Battery access door
Battery replacement description	Hot-swappable, user replaceable batteries
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%
LEDS ALARMS & SWITCHES	
LED Indicators	2 LEDs indicate power status and overload/check battery status
Alarms	Audible alarm indicates power-failure and overload status
Switches	Combination switch controls on/off power status and self-test operation
SURGE / NOISE SUPPRESSION	
UPS AC suppression joule rating	420
UPS AC suppression response time	Instantaneous
UPS Dataline suppression	1 line TEL / DSL protection (1 in / 1 out)
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Installation form factors supported with included accessories	Tower; Ultra-compact desktop; Wallmount (using keyhole mounting tabs)
Primary form factor	Desktop
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	3.5 x 11.2 x 6
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	8.9 x 28.6 x 15.2
UPS / Power Module weight (lbs)	11
UPS / Power Module weight (kg)	5
UPS Shipping dimensions (height x width x depth / inches)	4.8 x 13.5 x 8.8
UPS Shipping dimensions (height x width x depth / cm)	12.1 x 34.3 x 22.2

Shipping weight (lbs)	14.2
Shipping weight (kg)	6.5
UPS housing material	ABS
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)	53.7
Battery mode BTU / hr. (full load)	340
COMMUNICATIONS	
Communications interface	USB (HID enabled)
PowerAlert software	Free download from www.tripplite.com
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
SPECIAL FEATURES	
Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
High availability UPS features	Hot swappable batteries
Green & high efficiency 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); Meets FCC Part 68 / Industrie Canada (telecommunications); ROHS (Reduction of Hazardous Substances)
WARRANTY	
Standard warranty period	3 years
Connected equipment insurance (USA, Canada, Puerto Rico)	\$100,000 connected equipment insurance

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
Audio Cables	CT120	Instant-Read- AC Outlet Circuit Tester	-
Surge Protectors	DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	-
Surge Protectors	DNET1	Network Surge Suppressor - Essential protection for data and communication lines	-
Surge Protectors	DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	-
USB Cables & Adapters	U005-10I	10-inch USB A/A Gold Extension Cable (USB-A Right Angle Male to USB-A Female)	-
USB Hubs/Accessories	U222-004-R	4-Port USB2.0 Certified Ultra-Mini Hub	-
Software	WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	-
Extended Warranties	WEXT5-INTERNET	5-Year Extended Warranty - For Internet Office Models	-

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3090.