

## AVR Series 550VA Ultra-compact Line-Interactive 120V UPS with RS232 Serial port

MODEL NUMBER: AVR550SER



### Highlights

- 550VA ultra-compact 120V line interactive UPS
- Corrects brownouts and overvoltages from 83V to 147V
- 4 battery supported outlets, 4 surge-only outlets
- RS232 port, TEL/DSL protection, Wall mountable, 97% efficient
- NEMA 5-15P input plug and 8 NEMA 5-15R outlets

### Package Includes

- AVR550SER UPS System
- Serial cable, Phone cable
- Instruction manual

### Description

Tripp Lite's AVR550SER 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. RS232 serial communications port with PowerAlert monitoring software enables data-saving unattended system shutdown in the case of extended blackouts.

### Features

- AVR550SER ultra-compact 120V line interactive UPS offers complete AC power protection from blackouts, brownouts and transient surges
- 550VA / 300 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 DB9 RS232 serial port enables data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from [tripplite.eaton.com](http://tripplite.eaton.com)
- Automatic Voltage Regulation / AVR boosts brownouts and reduces overvoltages from 83 to 147V back to usable 120V nominal levels, without using battery power
- 3 minutes runtime at 100% load (300 watts), 9 minutes runtime at 50% load (150 watts)
- 20 minutes runtime for a desktop computer system consuming 80 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
- AC surge 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



Powering Business Worldwide



reboot of application/OS or hard power off/on reboot of connected equipment, ideal for unattended kiosk applications

- 97% line mode efficiency rating uses less energy and BTU emissions
- Built-in grounding lug
- Hot swappable user battery replacement
- Space saving, ultra-compact housing with support for wall-mount, desktop or floor placement

## Specifications

OVERVIEW	
UPC Code	037332156723
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	12A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
UPS Input Cord Length (ft.)	6
UPS Input Cord Length (m)	1.8
Recommended Electrical Service	15A 120V
OUTPUT	
Output Capacity (VA)	550
Output Capacity (Watts)	300
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	+8%, -21%
Output Voltage Regulation (Battery Mode)	115V (+/- 5%)
UPS Output Receptacles (Surge Suppression Only)	4 UPS outlets, 4 surge-only outlets
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	115V; 120V
Output Receptacles	(8) 5-15R
BATTERY	
Runtime Full Load (min.)	3 min. (300w)
Runtime Half Load (min.)	9 min. (150w)



Powering Business Worldwide

**TRIPP-LITE**  
by **EAT•N**

Expandable Runtime	Yes
DC System Voltage (VDC)	12
Battery Access	Battery access door
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 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%
<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	420
UPS AC Suppression Response Time	Instantaneous
UPS Dateline 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)	152
Primary UPS Height (mm)	89
Primary UPS Width (mm)	286
Shipping Dimensions (hwd / in.)	4.75 x 13.50 x 8.75
Shipping Dimensions (hwd / cm)	12.06 x 34.29 x 22.22
Shipping Weight (lbs.)	12.00
Shipping Weight (kg)	5.44
UPS Housing Material	ABS
UPS Power Module Dimensions (hwd, cm)	8.89 x 28.58 x 15.24
UPS Power Module Dimensions (hwd, in.)	3.5 x 11.25 x 6
UPS Power Module Weight (kg)	4.99
UPS Power Module Weight (lbs.)	11



Powering Business Worldwide

**TRIPP-LITE**  
by **EATON**

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)	30
AC Mode Efficiency Rating (100% Load)	97%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	340
Battery Mode Heat Dissipation (BTU/Hr) @ Half Load	112
COMMUNICATIONS	
PowerAlert Software	Free download from <a href="https://tripplite.eaton.com/products/power-alert">https://tripplite.eaton.com/products/power-alert</a>
Communications Cable	DB9 interface cable included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Communications Interface	DB9 Serial
LINE / BATTERY TRANSFER	
Transfer Time	4 milliseconds (line to battery mode), 1 millisecond (battery to line mode)
Low Voltage Transfer to Battery Power (Setpoint)	83
High Voltage Transfer to Battery Power (Setpoint)	147
FEATURES & SPECIFICATIONS	
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
Grounding Details	Included
APPLICATIONS	
UPS Applications	Home/Office Desktop
WARRANTY & SUPPORT	
Product Warranty Period (U.S. & Canada)	3-year limited warranty
Product Warranty Period (International)	2-year limited warranty
Product Warranty Period (Mexico)	3-year limited warranty

Product Warranty Period (Puerto Rico)	3-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$100,000&nbsp;<a class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>&nbsp;

1000 Eaton Boulevard  
Cleveland, OH 44122  
United States  
<https://tripplite.eaton.com>

© 2025 Eaton. All Rights Reserved.  
Eaton is a registered trademark. All other trademarks  
are the property of their respective owners.