

AVR650UM PRODUCT TRANSITION

Tripp Lite's AVR650UM UPS is transitioning to an updated version with a NEW look and performance updates. This page contains information on the NEW version of AVR650UM. The NEW version is still in a similar desktop / wall-mount form factor as the previous version. During the transition period, your reseller may still have remaining stock on the previous version. Click [HERE](#) for specifications on the previous version of AVR650UM.

650VA 325W Line-Interactive UPS - 8 NEMA 5-15R Outlets, AVR, 120V, 50/60 Hz, USB, Desktop/Wall Mount

MODEL NUMBER: AVR650UM



Desktop UPS provides battery backup support with automatic voltage regulation (AVR) for your home/office network system or home theater.

Features

650VA/325W Battery Backup for PCs, Home Theater or Digital Signage

The line-interactive AVR650UM UPS system with AVR protection provides reliable battery backup and AC power protection against blackouts, brownouts, overvoltages, surges and line noise that can damage valuable electronics or destroy data. The eight-outlet 120V battery backup is ideal protection for your home office, media center or commerce components, including computers, routers, printers, HDTVs, Blu-ray players, game consoles, ATMs, security systems and digital signage equipment.

Allows Time to Back Up Critical Files During a Blackout

Backup support allows you to work through short power failures and gives you enough time to safely save files and shut down your system in case of a prolonged blackout. Backup time varies according to load, but the line-interactive UPS system should keep an energy-efficient desktop computer with small LCD monitor powered as long as 43 minutes. During normal operation, incoming utility power keeps the replaceable internal battery fully charged, so backup power will always be available.

8 NEMA 5-15R Outlets Protect Your Connected Components

Four 5-15R outlets provide battery backup, surge protection and voltage regulation for your computer, monitor and other crucial components. The other four 5-15R outlets provide surge suppression only for printers, speakers and other desktop equipment regarded as non-essential during a blackout. A high >95% line mode efficiency rating reduces BTU emissions, energy consumption and, ultimately, your energy costs.

Automatic Voltage Regulation (AVR) Corrects Low- and High-Voltage Conditions

Highlights

- Protects equipment against blackouts, brownouts, overvoltages, surges and line noise
- Keeps AC power running during blackouts to allow time for file saves and safe shutdown
- 8 NEMA 5-15R outlets power and protect PC, home theater or digital signage equipment
- Home-friendly alarm remains silent in backup mode, sounding only when imperative
- High >95% efficiency with low BTU ratings saves electricity and lowers your energy costs

Applications

- Protect your PC and other sensitive electronics against power surges, line noise, brownouts, overvoltages and blackouts
- Operate essential equipment during short-term power outages using battery backup power
- Shut down desktop PCs and other equipment without data loss during long-term power outages
- Extend runtime for DVRs, wireless routers and other low-power home network equipment

Package Includes

- AVR650UM 650VA 325W 120V Line-Interactive UPS with 8 Outlets



AVR protects your equipment from incremental hardware damage, data loss and performance problems caused by brownouts and overvoltages. The AVR650UM can correct brownouts as low as 89V and overvoltages as high as 145V back to nominal 120V power continuously, all while keeping the battery fully charged and ready to take over in case of power failure.

- USB cable
- Owner's manual

316 Joules Fight Back Against Unexpected Power Surges

A 316-joule surge suppression rating protects connected components from the harmful effects of power surges.

Combats Electromagnetic Interference That Can Harm Equipment

Various electromagnetic and radio sources found in virtually every home and business can cause disruptive interference on the AC line. Known as EMI (electromagnetic interference) and RFI (radio frequency interference), this line noise is a common cause of performance problems and can lead to incremental hardware damage, data corruption and audio/video transmission problems. The AVR650UM incorporates technology that filters out disruptive line noise so that it won't affect your equipment.

Home-Friendly Alarm and Diagnostic LEDs Keep You Informed 24/7

The UPS remains silent in both line and battery backup modes. The alarm sounds only to report low battery, battery replace, overload and fault condition. Dual front-panel LEDs report line and battery mode operation.

HID-Compliant USB Port Allows for Automatic Saves and Shutdowns

This USB port connects the AVR650UM to a computer running Tripp Lite's free downloadable PowerAlert® software to enable safe unattended file saves and system shutdown in case of a prolonged power failure. USB cable is included. Battery independent restart ensures automatic UPS power-up without user interaction after lengthy power outages, even when batteries are expired and require replacement.

Compact Housing Compatible with Easy Desktop or Wall-Mount Installation

The space-saving ABS housing fits on a desktop, shelf or anywhere else convenient to your workstation or home theater. Keyhole mounting tabs on the rear allow easy wall-mount installation. The five-foot power cord with NEMA 5-15P plug connects to any compatible AC outlet.

Specifications

OVERVIEW	
UPC Code	037332211460
UPS Type	Line-Interactive
OUTPUT	
Output Volt Amp Capacity (VA)	650
Output Watt Capacity (Watts)	325
Nominal Voltage Details	120v nominal output in battery mode
Frequency Compatibility	50 / 60 Hz
Output Voltage Regulation (Line Mode)	120V (+6%/-12%)
Output Voltage Regulation (Battery Mode)	120V (±10%)



UPS Output Receptacles (Surge Suppression Only)	4 UPS outlets, 4 surge-only outlets
Output AC Waveform (AC Mode)	Pure sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	110V; 115V; 120V
Output Receptacles	(8) 5-15R
Individually Controllable Load Banks	No
INPUT	
Rated input current (Maximum Load)	6A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
Input Circuit Breakers	7A
UPS Input Cord Length (ft.)	5
UPS Input Cord Length (m)	1.5
Recommended Electrical Service	15A 120V
Input Phase	Single-Phase
BATTERY	
Full Load Runtime (min.)	2.5 min. (325W)
Half Load Runtime (min.)	11 min. (162.5W)
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	8 hours (10% to 90%)
Internal UPS Replacement Battery Cartridge	 RBC51
Battery Access	Battery access door
Battery Replacement Description	Replaceable internal batteries (see manual)
Expandable Runtime	No
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 89 to 145
Overvoltage Correction	Input voltages between 128 and 149 are reduced by 15%
Undervoltage Correction	Input voltages between 89 and 108 are boosted by 18%
USER INTERFACE, ALERTS & CONTROLS	
Switches	Power off/on switch



Audible Alarm	UPS remains silent in battery backup mode; Alarm sounds only to report low-battery, fault, overload and replace-battery conditions
LED Indicators	2 Status LEDs; GREEN indicates power status and operating mode / RED indicates battery-low, overload, replace-battery and fault conditions
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	316
UPS AC Suppression Response Time	Instantaneous
UPS Dataline Suppression	1 line TEL/DSL or Ethernet
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Installation Form Factors Supported with Included Accessories	Tower; Ultra-compact desktop; Wallmount
Primary Form Factor	Desktop
Primary UPS Depth (mm)	305
Primary UPS Height (mm)	110
Primary UPS Width (mm)	163
Shipping Dimensions (hwd / cm)	23.88 x 15.75 x 38.10
Shipping Dimensions (hwd / in.)	9.40 x 6.20 x 15.00
Shipping Weight (kg)	6.71
Shipping Weight (lbs.)	14.80
UPS Housing Material	ABS
UPS Power Module Dimensions (hwd, cm)	11.00 x 16.26 x 30.48
UPS Power Module Dimensions (hwd, in.)	4.33 x 6.4 x 12
UPS Power Module Weight (kg)	6.21
UPS Power Module Weight (lbs.)	13.7
ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +113 degrees Fahrenheit / -15 to +45 degrees Celsius
Relative Humidity	0 to 90%, non-condensing
AC Mode BTU / Hr. (Full Load)	61
AC Mode Efficiency Rating (100% Load)	>95%
Operating Elevation (ft.)	Up to 10,000 ft.
Operating Elevation (m)	Up to 3000m



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COMMUNICATIONS	
Communications Interface	USB (HID enabled)
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert
Communications Cable	USB interface cable included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network UPS Tools Compatibility	Yes
LINE / BATTERY TRANSFER	
Transfer Time	6 milliseconds typical (10 milliseconds max)
Low Voltage Transfer to Battery Power (Setpoint)	89
High Voltage Transfer to Battery Power (Setpoint)	145
SPECIAL FEATURES	
Grounding Lug	Includes side panel grounding lug
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Battery Independent Restart
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS
CERTIFICATIONS	
UPS Certifications	Meets FCC Part 15 Category A (EMI); Tested to CSA (Canada); Tested to NOM (Mexico); Tested to UL1778 (USA)
UPS Certification Details	UL1778: 2014 5th EDITION; CAN/CSA-C22.2 NO. 107.3:2014 3rd EDITION; FCC CLASS A; FCC Part 68 Approved (#5WSWP01B005); Industry Canada Approved (#3449A-005, RENO.1B); RETIE (Colombia)
WARRANTY	
Product Warranty Period (U.S. & Canada)	3-year limited warranty
Product Warranty Period (Latin America)	3-year limited warranty
Product Warranty Period (International)	2-year limited warranty
Product Warranty Period (Mexico)	3-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$100,000 Ultimate Lifetime Insurance

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