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/120V 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
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.

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

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
- USB cable
- Owner’s manual

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 free downloadable PowerAlert® software to enable safe unattended file saves and system shutdown in case of a prolonged power failure. USB cable is included.

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
INPUT	
Input Phase	Single-Phase
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
OUTPUT	
Output Capacity (VA)	650
Output Capacity (kVA)	0.65
Output Capacity (Watts)	325
Output Capacity (kW)	0.325
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
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	2.5 min. (325W)
Runtime Half Load (min.)	11 min. (160W)
Expandable Runtime	No
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	8 hours (10% to 90%)
Battery Access	Battery access door
Internal UPS Replacement Battery Cartridge	IMPORTANT BATTERY REPLACEMENT INFORMATION > If the original battery inside your AVR650UM UPS has a rating of 12V 7AH, please order Tripp Lite RBC51 (quantity 1) replacement battery; If the original battery inside your AVR650UM UPS has a rating of 12V 5AH, contact Tripp Lite for assistance
Battery Replacement Description	Replaceable internal batteries (see manual)
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 145 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	
Primary Form Factor	Desktop
Installation Form Factors Supported with Included Accessories	Tower; Ultra-compact desktop; Wallmount
Primary UPS Depth (mm)	305
Primary UPS Height (mm)	110
Primary UPS Width (mm)	163
Shipping Dimensions (hwd / in.)	9.40 x 6.20 x 15.00
Shipping Dimensions (hwd / cm)	23.88 x 15.75 x 38.10
Shipping Weight (lbs.)	14.80
Shipping Weight (kg)	6.71
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
Unit Weight (lbs.)	13.700
Unit Weight (kg)	6.21
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 113°F (-15° to 45°C)
Relative Humidity	0 to 90%, non-condensing
AC Mode BTU / Hr. (Full Load)	61
AC Mode Efficiency Rating (100% Load)	>95%
Operating Elevation	Up to 10,000 ft.
COMMUNICATIONS	
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert software at https://tripplite.eaton.com/products/power-alert
Communications Cable	USB interface cable included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications

Network UPS Tools (NUT) Compatibility	NUT compatible. See a full list of NUT compatible Tripp Lite UPS systems at https://networkupstools.org/stable-hcl.html?manufacturer=Tripp%20Lite
Network Management Card Description	Network management not supported
Communications Interface	USB (HID enabled)
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
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Automatic Voltage Regulation (AVR); Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS
Grounding Details	Includes side panel grounding lug
APPLICATIONS	
UPS Applications	Home/Office Desktop; Audio/Video; Retail/Point of Sale; Hospitality
STANDARDS & COMPLIANCE	
Product Certifications	RETIE (Colombia); CSA (Canada); NOM (Mexico); UL 1778
Product Compliance	RoHS; FCC Part 15 Class A (USA)
WARRANTY & SUPPORT	
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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