750VA 450W 120V Line-Interactive Cloud-Connected UPS with Remote Monitoring, 12 NEMA 5-15R Outlets (6 Surge + 6 Surge and Battery Backup), 5-15P Plug, Desktop

MODEL NUMBER: **AVR750UNC**







Line-interactive cloud-connected UPS protects your equipment using advanced features, such as remote monitoring, automated alerts and predictive data analytics.

Highlights

- Cloud-based dashboard allows 24/7 remote monitoring via browser or mobile app
- Cloud-connected UPS sets up in minutes to start protecting your devices
- Create account with two-factor authentication for an additional layer of security
- NFC technology allows easy configuration of network settings from your mobile device
- Lets you control outlets or shut down devices using your PC, tablet or smartphone
- Sends you fast alert notifications and responses through email or SMS

Package Includes

- AVR750UNC 750VA 450W 120V Line-Interactive UPS
- Quick Start Guide

Features

750VA/450W/120V Battery Backup for Digital Signage and Home/Office Networks
The AVR750UNC line-interactive cloud-connected UPS system with AVR protection provides reliable battery backup and AC power protection against blackouts, brownouts, overvoltages, surges and line noise for computers, routers, gaming systems, ATMs, security systems, digital signage and other home/office networking equipment.

Easy-to-Use Cloud-Enabled Remote Monitoring Powered by Brightlayer
Eaton’s cloud-based remote monitoring app offers convenient setup, control and management of a single UPS or a larger deployment. Scan the QR code on the UPS to download the app to your mobile device. Receive alerts, push configurations, silence alarms or control outlet banks using a mobile app or web browser. Being able to monitor and access an army of UPS systems from a remote location helps reduce the number of site visits, saving you time and money. The unit’s NFC (Near-Field Communication) area lets you configure network settings instantly from your mobile device.

Allows Time to Back Up Critical Files During a Blackout
The AVR750UNC restarts automatically once power is restored, regardless of battery charge level, saving you a costly site visit. During short blackouts and brownouts, the AVR750UNC switches to battery power to keep connected equipment running. This allows you enough time to save data and complete a safe shutdown in case of a longer outage.

Premium Protection from Surges and Line Noise Helps Your Equipment Perform Better
Rated for 316 joules of surge suppression, the AVR750UNC and all 12 NEMA 5-15R outlets protect connected devices from the harmful effects of power surges. The AVR750UNC also filters out disruptive electromagnetic interference (EMI) and radio frequency interference (RFI) that can destroy data and contribute to lengthy downtime. Four outlets are set apart from the others to allow connection of bulky transformers.

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 AVR750UNC 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.

Easy Preventative Maintenance and Initial Troubleshooting
The AVR750UNC's self-test capability and user-replaceable internal battery can extend the life of the UPS and minimize disruption to operations. A resettable circuit breaker helps prevent dangerous system overloads.

Home-Friendly Alarm and Diagnostic LEDs Keep You Informed 24/7
An audible alarm and a red LED indicate a low battery or fault condition. A green LED indicates power and line/battery mode status. The audible alarm can be disabled via the remote monitoring app, which will still respond to silenced alarms.

Hardened Housing Compatible with Versatile Deployment Options
The flatpack housing allows use in locations with higher ambient temperatures (operating temperature range: 32° to 104°F / 0° to 40°C). The AVR750UNC's small size is suitable for desktop or floor placement. Keyhole slots on the bottom allow wall mounting. The five-foot power cord with NEMA 5-15P plug connects to any compatible AC outlet.

Specifications

OVERVIEW	
UPC Code	037332281135
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	10A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
Input Circuit Breakers	10A
UPS Input Cord Length (ft.)	5
UPS Input Cord Length (m)	1.5
Recommended Electrical Service	15A 120V
Maximum Input Amps	10
Input Frequency	50/60 HZ +/- 5HZ
Input Plug Type	NEMA 5-15P
Input Cord Length (ft.)	5
Input Cord Length (m)	1.52
OUTPUT	
Output Capacity (VA)	750
Output Capacity (kVA)	0.75
Output Capacity (Watts)	450

Output Capacity (kW)	0.45
Power Factor	0.63
Nominal Voltage Details	120V
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)	6 UPS outlets, 6 surge-only outlets
Load Management Receptacles	6x 5-15R Battery backup outlets (2x switched load banks of 2x 5-15R battery backup outlets. 2x unswitched 5-15R battery backup outlets)
Output AC Waveform (AC Mode)	Pure sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	120V
Output Receptacles	(12) 5-15R
Overload Protection	110% +/-10% 5 min. to fault (Line Mode), 120% +/-10% Immediate to fault (Line Mode); 110% +/-10% Shutdown 5 seconds (Battery Mode), 120% +/-10% Shutsdown immediately (Battery Mode)
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	3 min. (450W)
Runtime Half Load (min.)	11 min. (225W)
Expandable Runtime	No
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	8 Hours from 10% to 90% capacity
Battery Access	Battery Access Door
Internal UPS Replacement Battery Cartridge	RBC51
Battery Replacement Description	Replaceable internal batteries (see manual)
Lithium Batteries	No
POWER	
Input Voltage(s)	120VAC
Battery Voltage (VDC)	12
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 ON - Press and hold power button about 0.5 second. POWER OFF - Press and hold power button about 0.5 seconds. UPS will be turned off
Audible Alarm	Sounds every 1 second when line power is absent and the batttery is low; Sounds every 0.5 sec. to indicated overload in line or battery modes, Sounds every 1 minute when the battery needs to be replaced; Sounds continuously in line mode during overload event and any fault mode condtion.
LED Indicators	GREEN - ON SOLID when the line input voltage is normal and the battery is fully charged, in overload, and battery replace events. FLASH GREEN when line voltage is absent, and the UPS is running in battery mode. FLASH GREEN every 1 sec. when battery is low. FLASHES GREEN every 0.5s during overload event in battery mode. RED - ON SOLID when running in line mode during overload event and fault condition. RED - FLASHES in line mode and when the battery needs to be replaced.
SURGE / NOISE SUPPRESSION	
EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	316
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Desktop; Surface Mount; Wall-mount
Rack Height	0U
Installation Form Factors Supported with Included Accessories	Tower; Ultra-compact desktop; Wallmount
Primary UPS Depth (mm)	305
Primary UPS Height (mm)	105
Primary UPS Width (mm)	190
Shipping Dimensions (hwd / in.)	10.71 x 6.30 x 15.00
Shipping Dimensions (hwd / cm)	27.20 x 16.00 x 38.10
Shipping Weight (kg)	8.18
UPS Housing Material	ABS
Unit Dimensions (hwd / in.)	4.180 x 7.480 x 12.010
Unit Weight (lbs.)	15.840
Unit Weight (kg)	7.18
Input Cord Color	Black
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0-90% non-condensing
AC Mode BTU / Hr. (Full Load)	41

AC Mode Efficiency Rating (100% Load)	>96%
Operating Elevation	Up to 6562 ft.
COMMUNICATIONS	
Network Monitoring Port Description	Ethernet port (RJ45) - Port connects to a local network.
PowerAlert Software	Eaton Cloud-enabled Remote Monitoring Application
Network Monitoring Port	Network Configuration (options): with NFC; USB-C port: by enabling CLI commands.
Network Management Card Description	Cloud-connected Remote Monitoring UPS
Communications Interface	Near Field Communication (NFC); RJ45 Network; USB-C
LINE / BATTERY TRANSFER	
Transfer Time	4 - 6ms (max <10 ms)
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)	Minimum Battery Voltage for Cold Start @ 10.6V
High Availability UPS Features	Automatic Voltage Regulation (AVR); Remote management
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
Grounding Details	Includes side panel grounding lug
APPLICATIONS	
UPS Applications	Computer Gaming; Home/Office Desktop; Computer/Peripherals; Audio/Video; Home Network
STANDARDS & COMPLIANCE	
Product Certifications	CAN/CSA-C22.2 No. 107.3 (Canada); ICES (Canada); NOM (Mexico); RETIE (Colombia); UL 1778
Product Compliance	ENERGY STAR Qualified; FCC Part 15 Class A (USA); RoHS
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty
Product Warranty Period (U.S. & Canada)	3-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$100,000 Ultimate Lifetime Insurance

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