230V 650VA 375W Ultra-Compact Line-Interactive UPS - 4 Schuko Outlets, Desktop/Wall-Mount

MODEL NUMBER: **AVRX650UD**









Ultra-compact UPS offers power protection for desktop workstations and other essential home and office network components.

Features

650VA/375W/230V Battery Backup for Home and Office Workstations
The AVR Series line-interactive AVRX650UD UPS system with AVR 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 230V battery backup is ideal protection for desktop workstations and other essential business and small-network office equipment. This UPS system is also recommended for home networking applications, such as Wi-Fi, security cameras and home theater components.

Reliable, Expandable Battery Backup Keeps You Operational Through Power Outages
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 internal battery should keep a half load (188W) powered as long as six minutes.

4 Schuko CEE 7/7 Outlets Protect Your Connected Components
Four outlets provide battery backup, 156 joules of surge protection and voltage regulation for your crucial components.

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 AVRX650UD can correct brownouts as low as 159V and overvoltages as high as 282V back to nominal 230V power continuously, all while keeping the battery fully charged and ready to take over in case of power failure.

Premium Protection from EMI/RFI Line Noise Helps Your Equipment Perform Better
This UPS system filters out disruptive electromagnetic and radio frequency interference that can inflict hardware damage or data loss. This EMI/RFI filtering also helps your connected components perform better and last longer.

Designed for High Efficiency to Help You Save Money and Protect the Environment
A >95% efficiency rating reduces BTU emissions, energy consumption and, ultimately, your energy costs.

Audible Alarm and Status LED Keep You Informed Around the Clock
The alarm and LED report on/off status, battery mode operation, low-battery condition and UPS fault.

Highlights

- Protects equipment against blackouts, brownouts, transient surges and line noise
- Keeps AC power running during outages to allow time for file saves and safe shutdown
- Maintains continuous 230V nominal output during brownouts and overvoltages
- EMI/RFI filtering helps your connected components perform better and last longer
- Right-angle Schuko plug with 1.5 m cord allows easy connection in confined spaces

Applications

- Protect your small network server and other network components against power surges, line noise, brownouts, overvoltages and blackouts
- Shut down desktop PCs and other equipment without data loss during long-term power outages

Package Includes

- AVRX650UD 230V 650VA 375W Line-Interactive UPS with 4 Outlets
- Owner’s manual

Versatile Installation Options Give You Plenty of Choices
The ultra-compact housing features mounting tabs on the bottom panel for installing the UPS system on any horizontal or vertical flat surface. The 1.5-meter power cord with space-saving right-angle Schuko CEE 7/7 input connects to a compatible AC outlet.

Specifications

OVERVIEW	
UPC Code	037332255365
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	3.04A
Nominal Input Voltage(s) Supported	220V AC; 230V AC; 240V AC
UPS Input Connection Type	CEE 7/7 Schuko
UPS Input Cord Length (ft.)	4.92126
UPS Input Cord Length (m)	1.5
Input Frequency	50/60Hz Automatic frequency selection
OUTPUT	
Output Capacity (VA)	650
Output Capacity (kVA)	0.65
Output Capacity (Watts)	375
Output Capacity (kW)	0.375
Output Capacity Details	LINE MODE: 110% (±10%) UPS goes to FAULT MODE within 5 minutes / 120% (±10%) UPS goes to FAULT MODE immediately; BATTERY MODE: 110% (±10%) UPS shutdown within 5 seconds
Nominal Voltage Details	230V nominal output in battery mode
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Automatic frequency selection
Output Voltage Regulation (Line Mode)	+10%, -18%
Output Voltage Regulation (Battery Mode)	230V ±10%
Output Receptacle Details	All outlets provide UPS battery backup and Automatic Voltage Regulation
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Output Receptacles	(4) CEE7/7

Individually Controllable Load Banks	No
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	12 min. (375W)
Runtime Half Load (min.)	6 min. (188W)
Expandable Runtime	No
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	Less than 8 hours from 10% to 90%
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 159 to 282VAC (±5%)
Overvoltage Correction	Input voltages between 253 and 282 (±5%) are reduced by 15%
Undervoltage Correction	Input voltages between 159 and 207 (±5%) are boosted by 18%
USER INTERFACE, ALERTS & CONTROLS	
Switches	Lighted on/off power switch
Audible Alarm	Audible alarm indicator reports POWER-FAILURE, LOW-BATTERY, OVERLOAD, FAULT and BATTERY EXPIRED status (see manual)
LED Indicators	Lighted LED power switch indicator reports POWER-FAILURE, LOW-BATTERY, OVERLOAD, FAULT and BATTERY EXPIRED status (see manual)
SURGE / NOISE SUPPRESSION	
EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	156
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Desktop
Installation Form Factors Supported with Included Accessories	Tower; Ultra-compact desktop; Wallmount
Primary UPS Depth (mm)	245
Primary UPS Height (mm)	91
Primary UPS Width (mm)	163
Shipping Dimensions (hwd / in.)	9.29 x 5.43 x 12.24
Shipping Weight (kg)	4.78
UPS Power Module Dimensions (hwd, in.)	3.58 x 6.42 x 9.65
UPS Power Module Weight (kg)	4.54

UPS Power Module Weight (lbs.)	10
Unit Dimensions (hwd / in.)	3.580 x 6.420 x 9.650
Unit Weight (lbs.)	10.000
Unit Weight (kg)	4.54
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 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	63.99
AC Mode Efficiency Rating (100% Load)	>95%
Audible Noise	<40dB, 1 meter
COMMUNICATIONS	
Network Management Card Description	Network management not supported
Communications Interface	None
LINE / BATTERY TRANSFER	
Transfer Time	2-6 ms (typical); 10 ms (maximum)
Low Voltage Transfer to Battery Power (Setpoint)	159V (±5%)
High Voltage Transfer to Battery Power (Setpoint)	282V (±5%)
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS
Grounding Details	Yes
APPLICATIONS	
UPS Applications	Home/Office Desktop; Audio/Video
STANDARDS & COMPLIANCE	
Product Certifications	IEC 62040-2
Product Compliance	RoHS; CE (Europe)
WARRANTY & SUPPORT	

Product Warranty Period (International)	2-year limited warranty

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