

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		
DATTERY			
Runtime Full Load (min.)	12 min (275W)		
Runtime Half Load (min.)	12 min. (375W)		
Expandable Runtime	6 min. (188W)		
DC System Voltage (VDC)	No 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 & CON	TPOLS		
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)		
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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 (bs.) 10.000 Unit Weight (bs.) 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 Humility 0 10° 95%, non-condensing 0 AC Mode BTU / Hr. (Full Load) 63 39 AC Mode Efficiency Rating (100% 25%) Audible Noise 406B, 1 mater Operating Elevation (m) Up to 2000m COMMUNICATIONS Network Management Card 25% management not supported Communications Interface None 26 ms (typicall); 10 ms (maximum) LINE / BATTERY TRANSFER Transfer Time 2-6 ms (typicall); 10 ms (maximum) Luny Voltage Transfer to Battery Power (Sappoint) High Voltage Transfer to Battery Power (Sappoint) High Voltage Transfer to Battery Power (Sappoint) High Voltage Transfer Sappoint (Sartyu in Battery Mode 25%) Power (Sappoint) High Voltage Transfer to Battery Power (Sappoint) High Power (Sappoint) VPS Peatures Surgements Great reperation supported Cold-start operation supported Cold-start operation supported Cold-start operation supported UPS Applications Power (Sappoint) Power (Sap		
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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% 265% Load) - 265% Auditive Noise - 40dB, 1 meter Operating Elevation (m) Up to 2000m COMMUNICATIONS Network Management Card Perception Network management not supported Communications interface None LINE / BATTERY TRANSFER Transfer Time 2-6 ms (typical); 10 ms (maximum) Low Voltage Transfer to Battery Prover (Setpoint) Features & SPECIFICATIONS Colid-start (Startup in Battery Mode During a Power Failure) High Voltage Transfer to Battery Fower (Setpoint) Features & SPECIFICATIONS Colid-start operation supported Unity A Power Failure) High Voltage Transfer to Battery Fower (Setpoint) Features & SPECIFICATIONS Colid-start operation supported Unity A Power Failure) High Voltage Transfer of Battery Fower (Setpoint) Features & SPECIFICATIONS Colid-start operation supported High Availability USF Features Greater than 95% efficiency - GREEN UPS Grounding Details Yes APPLICATIONS UPS Applications Home/Office Desktop: Audio/Video STANDARDS & COMPLIANCE Product Compliance RoHS: CE (Europe)	UPS Power Module Weight (lbs.)	10
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 BTU / Hr. (Full Load) 595% Audible Noise 400B, 1 meter Operating Elevation (m) Up to 2000m COMMUNICATIONS Network Management Card Description (Management not supported Description) LINE / BATTERY TRANSFER Transfer Time 2-8 ms (typical); 10 ms (maximum) Low Voltage Transfer to Battery Power (Selpoin) High Voltage Transfer to Battery Power (Selpoin) FEATURES & SPECIFICATIONS Cold Start (Startup in Battery Mode During a Power Fallure) High Availability UPS Features Surgenose 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 Compliance Rolls; CE (Europe)	Unit Weight (lbs.)	10.000
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FEATURES & SPECIFICATIONS Cold Start (Startup in Battery Mode During a Power Failure) High Availability UPS Features Green Energy-Saving Features Greater than 95% efficiency - GREEN UPS Grounding Details Yes APPLICATIONS UPS Applications Home/Office Desktop; Audio/Video STANDARDS & COMPLIANCE Product Compliance RoHS; CE (Europe)	Low Voltage Transfer to Battery Power (Setpoint)	159V (±5%)
Cold Start (Startup in Battery Mode During a Power Failure) High Availability UPS Features Green Energy-Saving Features Greater than 95% efficiency - GREEN UPS Grounding Details Yes APPLICATIONS UPS Applications Home/Office Desktop; Audio/Video STANDARDS & COMPLIANCE Product Compliance RoHS; CE (Europe)	High Voltage Transfer to Battery Power (Setpoint)	282V (±5%)
During a Power Failure) High Availability UPS Features Green Energy-Saving Features Greater than 95% efficiency - GREEN UPS Grounding Details Yes APPLICATIONS UPS Applications Home/Office Desktop; Audio/Video STANDARDS & COMPLIANCE Product Compliance RoHS; CE (Europe)	FEATURES & SPECIFICATIONS	
Green Energy-Saving Features Grounding Details APPLICATIONS UPS Applications Home/Office Desktop; Audio/Video STANDARDS & COMPLIANCE Product Compliance RoHS; CE (Europe)	Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
Grounding Details APPLICATIONS UPS Applications Home/Office Desktop; Audio/Video STANDARDS & COMPLIANCE Product Compliance RoHS; CE (Europe)	High Availability UPS Features	Surge/noise protection
APPLICATIONS UPS Applications Home/Office Desktop; Audio/Video STANDARDS & COMPLIANCE Product Compliance RoHS; CE (Europe)	Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS
UPS Applications Home/Office Desktop; Audio/Video STANDARDS & COMPLIANCE Product Compliance RoHS; CE (Europe)	Grounding Details	Yes
STANDARDS & COMPLIANCE Product Compliance RoHS; CE (Europe)	APPLICATIONS	
Product Compliance RoHS; CE (Europe)	UPS Applications	Home/Office Desktop; Audio/Video
	STANDARDS & COMPLIANCE	
	Product Compliance	RoHS; CE (Europe)
WARRANTY & SUPPORT		



Product Warranty Period (International)	2-year limited warranty
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