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Automatic Voltage Regulator

PowerWalker AVR 500/SIV
PowerWalker AVR 1000/SIV
PowerWalker AVR 1500/SIV
PowerWalker AVR 2000/SIV
PowerWalker AVR 3000/SIV

Quick Start Guide

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1. Introduction

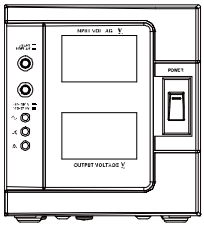
This AVR/SIV series is designed to automatically maintain a constant voltage level to protect sensitive electronics from brownouts and overvoltages. Equipped with comprehensive information display, it's easy to monitor the power status.

PowerWalker AVR 500/1000/1500/2000/3000/SIV Digital type series adopt switching mode charging which creates a variety of benefits:

- Microprocessor control guarantees high reliability
- Selectable input voltage range
- Time delay function eliminates transients that can affect connected equipment
- Startup countdown time display
- Over-voltage, under-voltage, over-heat and over current protection
- Provides surge and spike suppression

2. Package Contents

You should have received the following items inside of package:

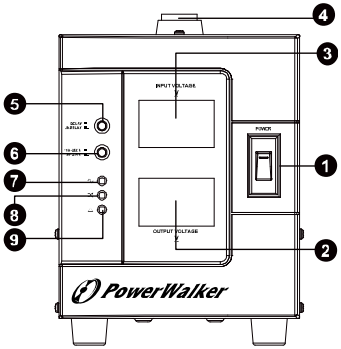


AVR Unit

Quick Start Guide

3. Product Overview

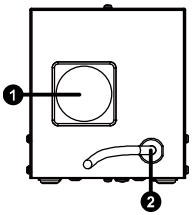
Front Panel:



1. Power switch
2. Output voltage display/Startup countdown display
3. Input voltage display
4. Handle (Optional for 500VA/1000VA)
5. Startup delay time switch
6. Input voltage range selector
7. Power LED (Green)
8. AVR LED (Yellow)
9. Over-voltage / under-voltage indicator (Red)

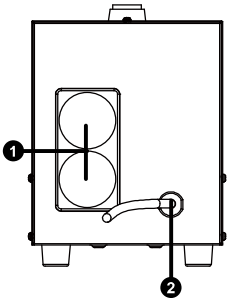
Back Panel:

AVR 500/1000/SIV



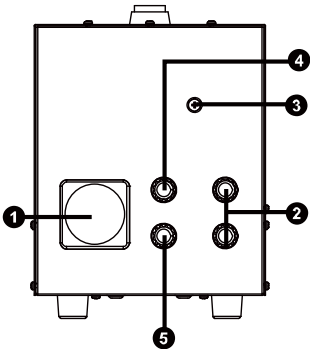
1. Output sockets for French /Schuko
2. AC input

AVR 1500/2000/SIV

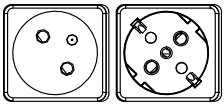


1. Output sockets for French /Schuko
2. AC input

AVR 3000/SIV



1. Output sockets for French /Schuko
2. AC input
3. Grounding
4. Line output terminal (brown)
5. Neutral output terminal (black)

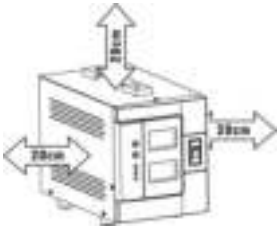


French Schuko

4. Installation

I: Inspection

Remove the AVR from the shipping package and inspect the unit. Be sure that nothing inside the package is damaged.



II: Placement

Please install the AVR in a protected environment.

- Do NOT block the top or side air vents on the unit. Please reserve 20cm space to avoid interference.
- Do NOT operate the AVR where the temperature and humidity is outside the specific limits. (Please check the specs for the limitations.)

III: Connect to Utility and Charging

Plug in the AC input cord to the wall outlet.

IV: Connect Your Equipment

Plug equipment into the AVR rear-panel outlets. Then switch the unit on by press the front panel power switch to “RESET” position.

> ⚠ The total power consumption of all equipment plugged into the AVR must not exceed its capacity (Refer to spec). It may cause the breaker to fault (blow).

5. Operation

I: Setting Startup Delay Time Switch

Delay ▬ : Setting delay time as 3 minutes. It’s designed to avoid damage devices with AC motor from consecutive starts. It’s perfect to use with devices such as refrigerators, freezers, air conditioners or dehumidifiers.

Undelay ▬ : Setting delay time as 10 seconds. It’s designed for use with voltage sensitive equipment such as: personal computers, monitors, inkjet printers, scanners or faxes. It’s also designed for use with home appliances such as televisions, stereos, CD/DVD players, VCRs, modems, and telephone equipment.

II: Setting Input Voltage Range

110-280 V⎓: Setting acceptable input voltage range within 110-280V.
150-270 V ⎓: Setting acceptable input voltage range within 150-270V.

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6. Specifications

Model	PowerWalker AVR 500/SIV	PowerWalker AVR 1000/SIV
Capacity	500VA	1000VA
Input		
Voltage	230VAC	
Voltage Range	110-280VAC or 150-270 VAC	
Frequency Range	50 Hz or 60 Hz	
Output		
Output Voltage	230VAC	
Voltage Regulation	-10% ~ +10%	
Efficiency		
Normal Mode	95%	
AVR Mode	92%	
Physical		
Dimension (DxWxH)	196.8 x 110 x 123.5	
Net Weight (kgs)	2.4	3.91
Environment		
Temperature	0-40°C	
Humidity	0-90% relative humidity (Non-condensing)	

Model	PowerWalker AVR 1500/SIV	PowerWalker AVR 2000/SIV	PowerWalker AVR 3000/SIV
Capacity	1500VA	2000VA	3000VA
Input			
Voltage	230VAC		
Voltage Range	110-280VAC or 150-270 VAC		
Frequency Range	50 Hz or 60 Hz		
Output			
Output Voltage	230VAC		
Voltage Regulation	-10% ~ +10%		
Efficiency			
Normal Mode	95%		
AVR Mode	92%		
Physical			
Dimension (DxWxH)	233.6 x 134 x 181		297.1x150x199
Net Weight (kgs)	5.4	6.55	8.56
Environment			
Temperature	0-40°C		
Humidity	0-90% relative humidity (Non-condensing)		

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