

Automatic Voltage Regulator

PowerWalker AVR 1500/SIV
PowerWalker AVR 2000/SIV
PowerWalker AVR 3000/SIV



Quick Start Guide

1. Introduction

This AVR/SIV series is designed to automatically maintain output voltage within allowed limit to protect sensitive electronics from brownouts and overvoltage. Equipped with comprehensive information display, it's easy to monitor the power status.

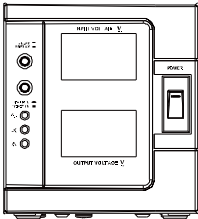
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PowerWalker AVR 1500/2000/3000 SIV Digital type series adopt switching mode charging which creates a variety of benefits:

- 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:



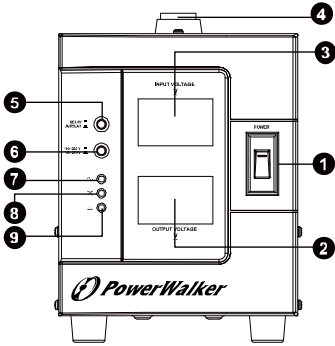
AVR Unit



Quick Start Guide

3. Product Overview

Front Panel:

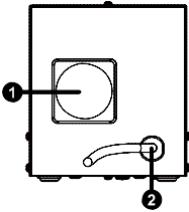


- ❶ Power switch
- ❷ Output voltage display/Startup countdown display
- ❸ Input voltage display
- ❹ Handle
- ❺ Startup delay time switch
- ❻ Input voltage range selector
- ❼ Power LED (Green)
- ❽ AVR LED (Yellow)
- ❾ Over-voltage / under-voltage indicator (Red)

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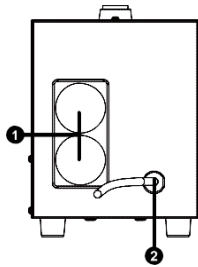
Back Panel:

AVR 500/1000/SIV



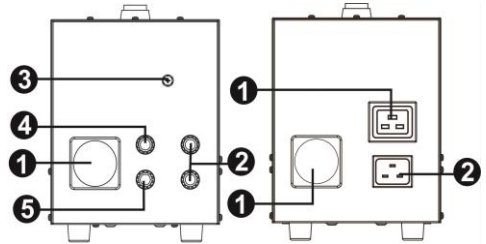
- ❶ Output sockets for French /Schuko
- ❷ AC input

AVR 1500/2000/SIV

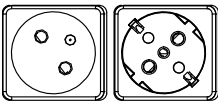


- ❶ Output sockets for French /Schuko
- ❷ AC input

AVR 3000/SIV



- ❶ Output sockets for French /Schuko
- ❷ AC input
- ❸ Grounding
- ❹ Line output terminal (brown)
- ❺ Neutral output terminal (black)



French

Schuko

4. Installation

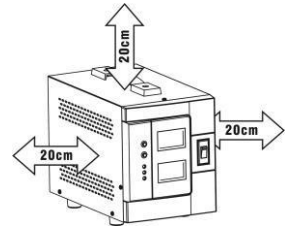
I: Inspection

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.

6. Specifications

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| 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 150-270VAC | | |
| 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) | | |