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V-Guard VWR 400

V-Guard VWR 400 Voltage Stabilizer User Manual

Model: VWR 400 | Brand: V-Guard

1. INTRODUCTION

The V-Guard VWR 400 Voltage Stabilizer is designed to protect your valuable electrical appliances, particularly air conditioners up to 1.5 tons, from voltage fluctuations. It ensures a stable power supply, enhancing the longevity and performance of your connected equipment. This manual provides essential information for the safe and efficient operation of your stabilizer.



The V-Guard VWR 400 Voltage Stabilizer mounted on a wall, positioned near an air conditioner, illustrating a typical installation scenario in a workspace.

2. KEY FEATURES

- **Intelligent Time Delay System:** This feature provides a proper balancing time for the compressor during frequent power failures, preventing damage from rapid on-off cycles.
- **Low & High Voltage Cut-off Protection:** Automatically disconnects the connected equipment when input voltage goes beyond the safe operating range, protecting it from potentially dangerous voltages.
- **Latest IC Technology:** Incorporates advanced Integrated Circuit technology for reliable and efficient voltage regulation and protection.
- **Built-In Thermal Overload Protection:** Safeguards the stabilizer and the connected appliance from high-temperature burnout caused by excessive current draw or overload conditions.

LOW & HIGH VOLTAGE CUT-OFF PROTECTION

WALL MOUNTING CABINET DESIGN



The V-Guard VWR 400 Voltage Stabilizer mounted on a wall, emphasizing its low and high voltage cut-off protection feature, designed to safeguard connected appliances.

3. SETUP AND INSTALLATION

3.1 Unpacking

Carefully remove the stabilizer from its packaging. Inspect for any visible damage. Retain the packaging for future transport or service needs.

3.2 Placement

The VWR 400 is designed for wall mounting. Choose a location that is:

- Close to the appliance it will protect (e.g., air conditioner).
- Well-ventilated to prevent overheating.
- Away from direct sunlight, heat sources, and moisture.
- Secure enough to hold the weight of the unit (approximately 7.5 kg).

3.3 Electrical Connection

1. Ensure the main power supply is switched OFF before making any connections.

2. Connect the input power cable from your main electrical supply to the designated input terminals on the stabilizer.
3. Connect the power cable of your appliance (e.g., AC unit) to the output terminals of the stabilizer.
4. Ensure all connections are tight and secure to prevent loose contacts and potential hazards.
5. Once connections are complete, switch ON the main power supply.

It is recommended to consult a qualified electrician for installation to ensure proper wiring and safety.



A clear image of the V-Guard VWR 400 Voltage Stabilizer, showcasing its compact design and digital display.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

After proper installation, switch on the main power supply. The stabilizer will automatically power on and begin its operation. There is typically no manual on/off switch on the unit itself for continuous protection.

4.2 Digital Display

The VWR 400 features a digital display that shows the input and output voltage. This allows you to monitor the voltage levels and confirm the stabilizer is functioning correctly.

- **Input Voltage:** Displays the fluctuating voltage coming from your main power supply.
- **Output Voltage:** Displays the stabilized voltage being supplied to your connected appliance. This should ideally be within the safe operating range for your appliance (e.g., 200-240V).

4.3 Normal Operation

The stabilizer operates automatically. When voltage fluctuations occur, it will adjust the output voltage to a safe level. During significant fluctuations or power outages, the intelligent time delay system will activate to protect the

appliance compressor.

5. MAINTENANCE

To ensure optimal performance and longevity of your V-Guard VWR 400 Voltage Stabilizer, follow these simple maintenance guidelines:

- **Cleaning:** Regularly wipe the exterior of the stabilizer with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the unit is disconnected from the power supply before cleaning.
- **Ventilation:** Ensure that the ventilation slots on the stabilizer are not blocked. Proper airflow is crucial to prevent overheating.
- **Connections:** Periodically check all electrical connections to ensure they are secure. Loose connections can lead to poor performance or safety hazards.
- **Avoid Overload:** Do not connect appliances that exceed the stabilizer's maximum capacity. Refer to the specifications section for details.

6. TROUBLESHOOTING

If you encounter issues with your V-Guard VWR 400 Voltage Stabilizer, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Stabilizer not turning on / No display	No input power; Loose connections; Main fuse blown	Check main power supply; Secure all connections; Check and replace main fuse if necessary.
Appliance not receiving power	Stabilizer in cut-off mode (low/high voltage); Time delay active; Overload protection activated	Wait for voltage to normalize; Wait for time delay to complete; Reduce load or check for appliance fault.
Stabilizer making unusual noise	Normal operation during voltage correction; Internal component issue	Minor humming is normal. If noise is loud or persistent, contact customer service.
Overheating	Poor ventilation; Overload; Prolonged high voltage correction	Ensure proper ventilation; Reduce load; If problem persists, contact customer service.

If the problem persists after attempting these solutions, please contact V-Guard customer support for assistance.

7. SPECIFICATIONS

Detailed technical specifications for the V-Guard VWR 400 Voltage Stabilizer:

Specification	Value
Model Number	VWR 400
Manufacturer	V-Guard
Country of Origin	India

Specification	Value
Item Weight	7 kg 500 g
Item Dimensions (LxWxH)	32 x 24 x 16 Centimeters
Generic Name	STABILIZER

For specific working voltage ranges and capacity, please refer to the product label or consult V-Guard documentation.



An informational chart detailing factors to consider when selecting a voltage stabilizer, including AC capacity, technology type, quality of power, and working range.

8. WARRANTY AND SUPPORT

The V-Guard VWR 400 Voltage Stabilizer comes with a **3-year warranty** provided by the manufacturer from the date of purchase. Please retain your purchase receipt for warranty claims.

For technical support, service, or warranty inquiries, please contact V-Guard customer service. Contact details can typically be found on the V-Guard official website or on the warranty card included with your product.

9. INCLUDED COMPONENTS

Upon unpacking your V-Guard VWR 400 Voltage Stabilizer, you should find the following items:

- V-Guard VWR 400 Voltage Stabilizer Unit
- Warranty Card

10. PRODUCT VIDEO OVERVIEW

Watch this official product video for a quick overview of the V-Guard VWR 400 Voltage Stabilizer's features and benefits.

Your browser does not support the video tag.

An official product video showcasing the key features and benefits of the V-Guard VWR 400 Voltage Stabilizer, including its intelligent time delay system, low and high voltage cut-off protection, and thermal overload protection.

