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V-Guard 123456

V-Guard VG 150 Supreme Stabilizer User Manual

Model: VG 150 Supreme

For Refrigerators Above 600 Liters

1. Introduction

This manual provides essential information for the safe and efficient operation of your V-Guard VG 150 Supreme Stabilizer. Please read these instructions carefully before installation and use, and retain this manual for future reference.



Figure 1: V-Guard VG 150 Supreme Stabilizer

2. Key Features

The V-Guard VG 150 Supreme Stabilizer is engineered to protect your refrigerator from voltage fluctuations, ensuring its longevity and optimal performance. Key features include:

- **Suitable for Refrigerators Above 600 L:** Specifically designed to support large capacity refrigerators, providing a stable power supply.
- **Initial Time Delay System:** Protects and extends the life of your refrigerator's compressor by providing a gradual power supply during start-up, reducing stress and wear.
- **High and Low Voltage Cut-Off:** Automatically disconnects power when voltage levels exceed or drop below safe thresholds, preventing damage to your appliance.
- **Fail-Safe Circuit:** Activates immediately to isolate devices from the electrical supply during mishaps and intelligently restores power once voltage stabilizes.
- **Convenient LED Indicator:** Provides real-time information on the input and output performance of the stabilizer,

keeping you informed about the power supply status.



Figure 2: Overview of Stabilizer Capabilities



Figure 3: Advanced Protection Mechanisms



Figure 4: Voltage Correction and Time Delay System

3. Setup and Installation

Before setting up your V-Guard VG 150 Supreme Stabilizer, ensure you have all included components:

- 1 x V-Guard VG 150 Supreme Stabilizer
- 1 x User Manual / Warranty Guide
- Wall Mounting Screws

3.1 Placement

The stabilizer is designed for countertop installation. Place it on a stable, flat surface near your refrigerator, ensuring adequate ventilation around the unit. Avoid placing it in direct sunlight or near heat sources.



Figure 5: Recommended Placement (e.g., on top of refrigerator)

3.2 Electrical Connection

1. Ensure the main power supply is switched off before making any connections.
2. Connect the stabilizer's input plug to a suitable wall socket. The stabilizer comes with a 25 A plug; if your home sockets are 5 A, a compatible 5 A - 25 A adapter will be required.
3. Plug your refrigerator's power cord into the output socket of the V-Guard VG 150 Supreme Stabilizer.
4. Switch on the main power supply. The stabilizer will initiate its time delay system before supplying power to the refrigerator. This typically takes around 3 minutes.

4. Operation

The V-Guard VG 150 Supreme Stabilizer operates automatically to protect your appliance. Observe the LED indicator for operational status.

4.1 LED Indicator

The convenient LED indicator provides visual feedback on the stabilizer's status:



Figure 6: LED Indicator and Cabinet Design

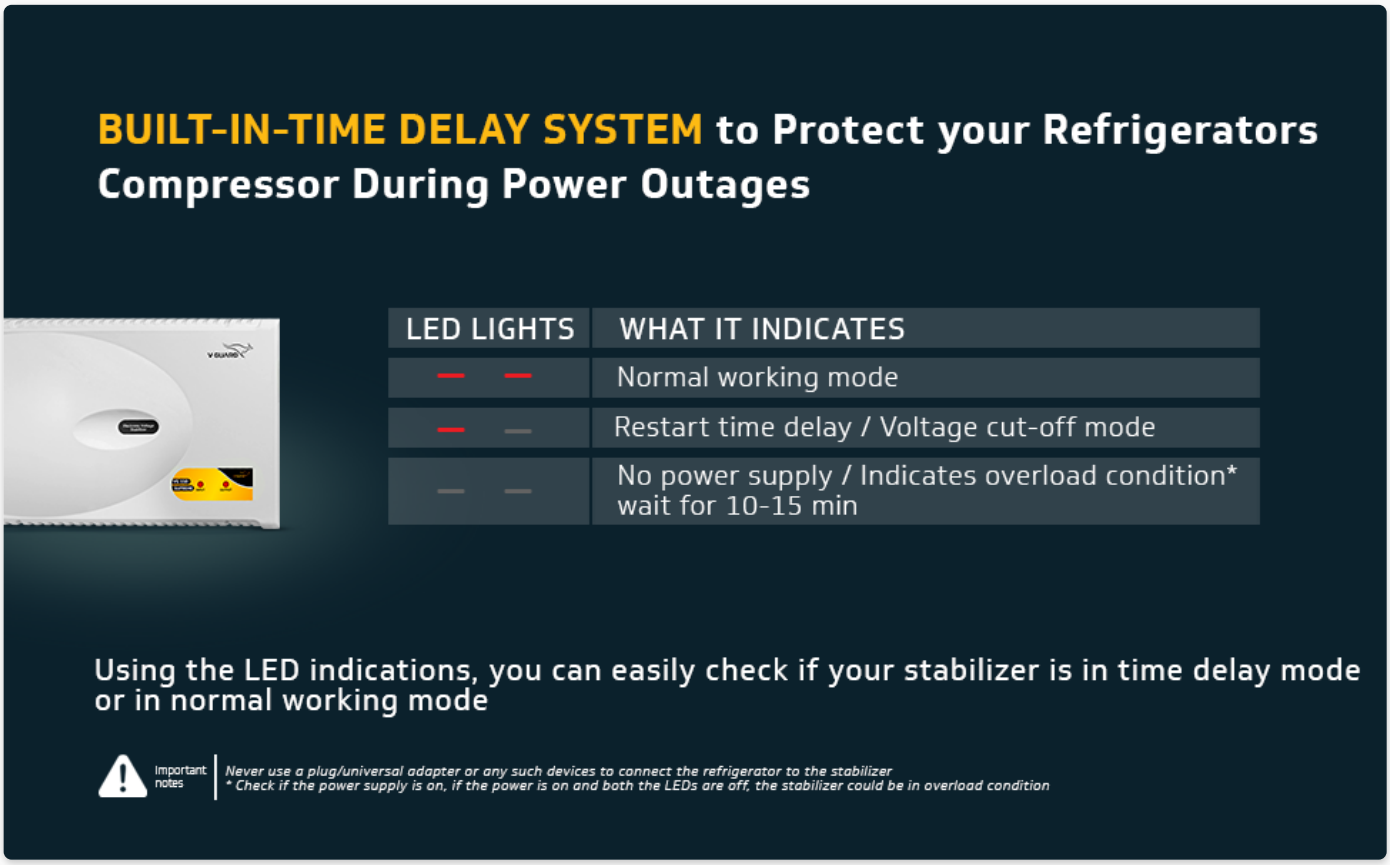


Figure 7: LED Indication Guide

- **Input LED ON, Output LED OFF:** Indicates High Cut/Low Cut/Initial Time Delay System (ITDS) mode. The stabilizer is protecting your appliance.
- **Input & Output LED ON:** Indicates normal working mode.
- **No Power Supply / Overload Condition:** If both LEDs are off or indicate an overload, wait for 10-15 minutes before checking connections and power supply.

4.2 Automatic Voltage Regulation

The stabilizer continuously monitors the incoming voltage. If the voltage deviates from the safe operating range (130-290 VAC), the unit will automatically adjust the output voltage or cut off power to protect the connected appliance.

5. Maintenance

To ensure the long-term performance and safety of your V-Guard VG 150 Supreme Stabilizer, follow these simple maintenance guidelines:

- **Cleaning:** Regularly wipe the exterior of the stabilizer with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Ventilation:** Ensure that the ventilation slots on the stabilizer are not blocked to prevent overheating.
- **Avoid Moisture:** Keep the stabilizer away from water and high humidity environments.
- **Cable Inspection:** Periodically check the power cords for any signs of damage or wear. Replace damaged cords immediately.

6. Troubleshooting

If you encounter issues with your stabilizer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Stabilizer not turning on	No power from wall socket; Loose connection	Check wall socket with another appliance; Ensure all connections are secure.
Refrigerator not receiving power	Stabilizer in time delay mode; High/Low voltage cut-off activated; Overload	Wait for time delay to complete (approx. 3 mins); Check LED indicator for voltage cut-off status; Disconnect appliance, wait 10-15 mins, then reconnect.
Frequent power cut-offs	Persistent voltage fluctuations; Overload	This indicates the stabilizer is working to protect your appliance. If persistent, consult an electrician. Ensure connected appliance load does not exceed stabilizer capacity.

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

7. Specifications

Feature	Detail
Model Number	123456
Brand	V-Guard
Working Range	130-290 VAC
Capacity	6 A (0.5 Tons)
Suitable For	Refrigerators above 600 L
Item Weight	4 kg 350 g
Item Dimensions (LxWxH)	26.7 x 17.1 x 12.7 Centimeters
Color	White
Special Feature	Compact
Installation Type	Countertop
Manufacturer	V-Guard Industries Ltd.
Country of Origin	India

8. Warranty and Customer Support

8.1 Warranty Information

The V-Guard VG 150 Supreme Stabilizer comes with a**5-year warranty** from the date of purchase, covering manufacturing defects. Please retain your purchase receipt for warranty claims.

8.2 Customer Support

For any queries, technical assistance, or warranty claims, please contact V-Guard customer service:

- **Contact Person:** Senior Engineer - Customer Service
- **Address:** V-Guard Industries Ltd. 42/962, Vennala High School Road, Vennala, Kochi- 682028, Kerala, India
- **Phone:** 012 0485 0100, 1860 180 3000
- **Email:** customercare@vguard.in

9. Product Videos

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Video 1: V-Guard VG 150 Supreme Stabilizer Product Overview. This video highlights the main features and benefits of the stabilizer.

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Video 2: Detailed Features and Protection. This video elaborates on the protective mechanisms and advanced technology integrated into the stabilizer.

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Video 3: Installation and Usage Guide. This video provides a visual guide on how to install and operate the V-Guard VG 150 Supreme Stabilizer.

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