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› V-Guard Prime 1650 Pure Sinewave UPS User Manual

V-Guard Prime 1650

V-Guard Prime 1650 Pure Sinewave UPS User Manual

Model: Prime 1650

1. INTRODUCTION

The V-Guard Prime 1650 Pure Sinewave UPS is designed to provide reliable and uninterrupted power backup for your home and office appliances. With a capacity of 1400VA/1120W, this unit ensures consistent performance during power outages, protecting your essential electronics.

This manual provides detailed instructions for the installation, operation, and maintenance of your V-Guard Prime 1650 UPS. Please read it thoroughly before using the product to ensure safe and efficient operation.

2. SAFETY INSTRUCTIONS

Always follow these safety precautions to prevent injury or damage to the UPS and connected equipment:

- Do not open the UPS casing. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.
- Ensure proper ventilation around the UPS. Do not block ventilation openings.
- Keep the UPS away from water, excessive heat, and direct sunlight.
- Connect the UPS to a grounded power outlet only.
- Do not connect non-electrical loads to the UPS output.
- Ensure the battery is properly connected before operating the UPS.
- In case of a battery leak, avoid contact with the fluid. If contact occurs, wash immediately with water and seek medical attention.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- V-Guard Prime 1650 UPS Unit
- User Manual (this document)



Image: Packaging of the V-Guard Prime 1650 UPS, highlighting key features such as monoblock pump support, mixer grinder support, normal/high output voltage modes, battery water topping reminder, long battery backup, and single battery design. The image also shows the V-Guard logo and some descriptive text about the product's technology and design.

4. SETUP

1. **Unpacking:** Carefully remove the UPS unit from its packaging. Inspect for any visible damage.
2. **Placement:** Place the UPS in a well-ventilated area, away from direct sunlight, heat sources, and moisture. Ensure sufficient space around the unit for air circulation.
3. **Battery Connection:** Connect the external battery (not included) to the UPS terminals. Ensure correct polarity (red to positive, black to negative). Refer to the battery manufacturer's instructions for proper battery handling.
4. **Input Power Connection:** Plug the UPS input power cord into a grounded 220V AC, 50 Hz wall outlet.
5. **Appliance Connection:** Connect your appliances (fans, LED TVs, refrigerators, computers, etc.) to the output sockets of the UPS. Do not overload the UPS beyond its 1120W capacity.
6. **Initial Charging:** Allow the UPS to charge the battery for at least 12-14 hours before initial use to ensure optimal battery performance.

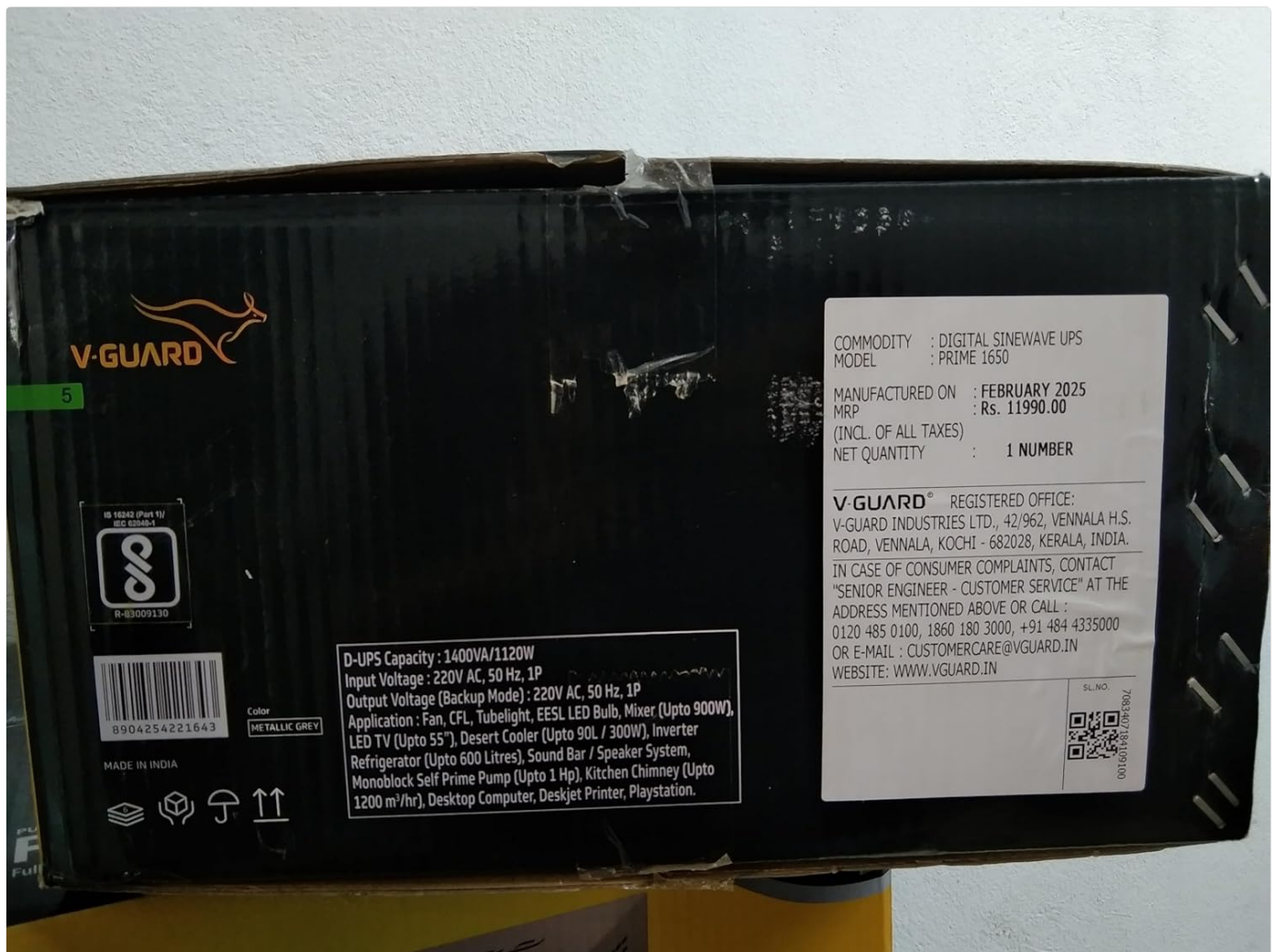


Image: Rear packaging of the V-Guard Prime 1650 UPS, displaying detailed specifications including D-UPS capacity (1400VA/1120W), input/output voltage, and compatible appliances like LED TV (up to 55"), refrigerator (up to 600 Litres), and desktop computer. It also shows the model number "Prime 1650" and manufacturing details. The barcode 8904254221643 is visible.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- **To Power On:** Press and hold the power button for a few seconds until the indicators light up.
- **To Power Off:** Press and hold the power button again until the indicators turn off.

5.2 Operating Modes

The Prime 1650 UPS features Normal and High Output Voltage Modes. Refer to the front panel indicators for the currently selected mode. Consult the user interface on the unit for specific mode selection procedures.

5.3 Indicators

The UPS is equipped with various indicators to provide status information:

- **Battery Water Level Indicator:** Alerts when the battery water level is low, prompting for a refill.
- **Power On/Off Indicator:** Shows the operational status of the UPS.
- **Battery Status Indicator:** Displays the current charge level of the connected battery.
- **Overload Indicator:** Illuminates if the connected load exceeds the UPS capacity.

6. MAINTENANCE

- **Battery Water Level Check:** Regularly check the battery water level (for lead-acid batteries). Refill with distilled water as indicated by the battery water level indicator.
- **Cleaning:** Keep the UPS unit clean and free from dust. Use a dry, soft cloth for cleaning. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure that the ventilation openings are not obstructed to prevent overheating.
- **Load Management:** Avoid consistently overloading the UPS to prolong its lifespan and the battery's health.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
UPS does not turn on.	No input power; Battery not connected or discharged.	Check power cord connection; Ensure battery is connected and charged.
Short backup time.	Battery not fully charged; Battery nearing end of life; Overload.	Allow battery to charge fully; Consider battery replacement; Reduce connected load.
Overload alarm.	Connected load exceeds UPS capacity.	Disconnect non-essential appliances to reduce load.
Battery water level indicator active.	Low battery water level.	Refill battery with distilled water.

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

8. SPECIFICATIONS

Feature	Detail
Model Number	Prime 1650
Brand	V-Guard
Power Capacity	1400VA / 1120W
Input Voltage	220V AC, 50 Hz
Output Voltage (Backup Mode)	220V AC, 50 Hz
Battery Cell Composition	Lead Acid
Item Weight	7 Kilograms
Form Factor	Compact
Compatible Appliances	Fans, LED TVs (up to 55"), Refrigerators (up to 600 Litres), Desktop Computers, Printers, Water Pumps (up to 1HP), Mixer Grinders (up to 900W)

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The V-Guard Prime 1650 Pure Sinewave UPS comes with a **3 Years Warranty** from the date of purchase. Please retain your purchase receipt for warranty claims. The warranty covers manufacturing defects under normal use conditions.

9.2 Customer Support

For any queries, technical assistance, or service requests, please contact V-Guard customer care:

- **Customer Care Numbers:** 01204850100, 18601803000, +914844335000
- **E-Mail:** CUSTOMERCARE@VGUARD.IN
- **Website:** WWW.VGUARD.IN
- **Registered Office:** V-GUARD INDUSTRIES LTD., 42/962, Vennela H.S. Road, Vennala, Kochi - 682028, Kerala, India.

When contacting support, please have your model number (Prime 1650) and purchase details ready.

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