VEVOR 45L

VEVOR 45L Portable Car Refrigerator User Manual

Model: 45L

Introduction Safety Instructions Features Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

This manual provides essential instructions for the safe and efficient operation of your VEVOR 45L Portable Car Refrigerator. Please read this manual thoroughly before use and retain it for future reference. This appliance is designed for cooling and freezing food and beverages in various environments, including vehicles, boats, and outdoor settings.



Image 1.1: The VEVOR 45L Portable Car Refrigerator in an outdoor camping setting, demonstrating its intended use.

2. Safety Instructions

To ensure safe operation and prevent injury or damage, observe the following safety precautions:

- Read all instructions before operating the appliance.
- Do not operate the appliance if it is visibly damaged.
- Ensure the voltage indicated on the rating label matches your power supply.
- Do not place electrical devices inside the refrigerator.
- Keep the ventilation openings clear of obstructions.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- The appliance should be placed on a flat, stable surface.

- Avoid exposing the appliance to direct sunlight or heat sources.
- Disconnect the power supply before cleaning or maintenance.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

3. Product Features

The VEVOR 45L Portable Car Refrigerator is designed with several features for convenience and performance:

- **Large Capacity:** 45 L (47.5 Qt) storage space, suitable for various items like drinks, vegetables, fruits, seafood, and meat.
- **Efficient Compressor Cooling:** Achieves rapid cooling from -20°C to 20°C (-4°F to 68°F).
- **Digital Display:** Allows for precise temperature adjustment and monitoring.
- **Built-in LED Light:** Illuminates the interior for better visibility.
- **Removable Internal Basket:** Helps organize contents and separates different food items.
- **Detachable Handle:** Facilitates easy transportation.
- **Cup Holders:** Integrated into the lid for stable placement of beverages.
- **App Control:** Allows remote control and monitoring via a mobile application.
- **Battery Protection System:** Three levels (Low, Medium, High) to prevent vehicle battery drain.
- **Dual Power Supply:** Compatible with 12/24V DC and 110-240V AC power sources.
- **Shockproof Design:** Engineered to withstand bumpy roads and inclines, suitable for various outdoor activities.



Image 3.1: An exploded view highlighting the key features of the VEVOR 45L Portable Car Refrigerator, such as app control, internal basket, and cup holders.

4. Setup

4.1 Unpacking

1. Carefully remove the refrigerator from its packaging.
2. Inspect the appliance for any signs of damage during transit. If damage is found, do not operate and contact customer support.
3. Remove all packing materials, including any protective films or tapes.
4. Allow the refrigerator to stand upright for at least 6 hours before connecting to power. This allows the compressor oil to settle.

4.2 Placement

- Place the refrigerator on a flat, stable surface to ensure proper operation and prevent tipping.

- Ensure adequate ventilation around the unit. Maintain a minimum clearance of 10 cm (4 inches) from walls or other objects on all sides, especially around the heat dissipation mesh.
- Avoid direct sunlight and heat sources (e.g., stoves, heaters) to optimize cooling efficiency.
- When used in a vehicle, secure the refrigerator to prevent movement during travel.

4.3 Power Connection

The refrigerator can be powered by either DC (12/24V) or AC (110-240V) power sources.

- **DC Power (Vehicle):** Connect the DC power cable to the refrigerator's DC input port and then to your vehicle's 12V or 24V cigarette lighter socket.
- **AC Power (Home/Mains):** Connect the AC adapter to the refrigerator's AC input port, then plug the AC power cord into a standard 110-240V wall outlet.



Image 4.1: Illustration of the dual power input options for the VEVOR 45L Portable Car Refrigerator, including 12V/24V DC and 110-240V AC.

5. Operating Instructions

5.1 Control Panel Overview

The control panel is located on the front of the refrigerator and includes a digital display and control buttons for temperature adjustment and settings.

- **Power Button:** Press to turn the unit ON/OFF.
- **SET Button:** Press to enter temperature setting mode or cycle through settings.
- **+/- Buttons:** Use to adjust temperature or navigate menu options.

5.2 Temperature Setting

1. Turn on the refrigerator by pressing the Power button.
2. Press the SET button once. The temperature display will flash.
3. Use the +/- buttons to adjust the desired temperature. The cooling range is -20°C to 20°C (-4°F to 68°F).
4. Wait a few seconds; the display will stop flashing, and the new temperature setting will be saved.

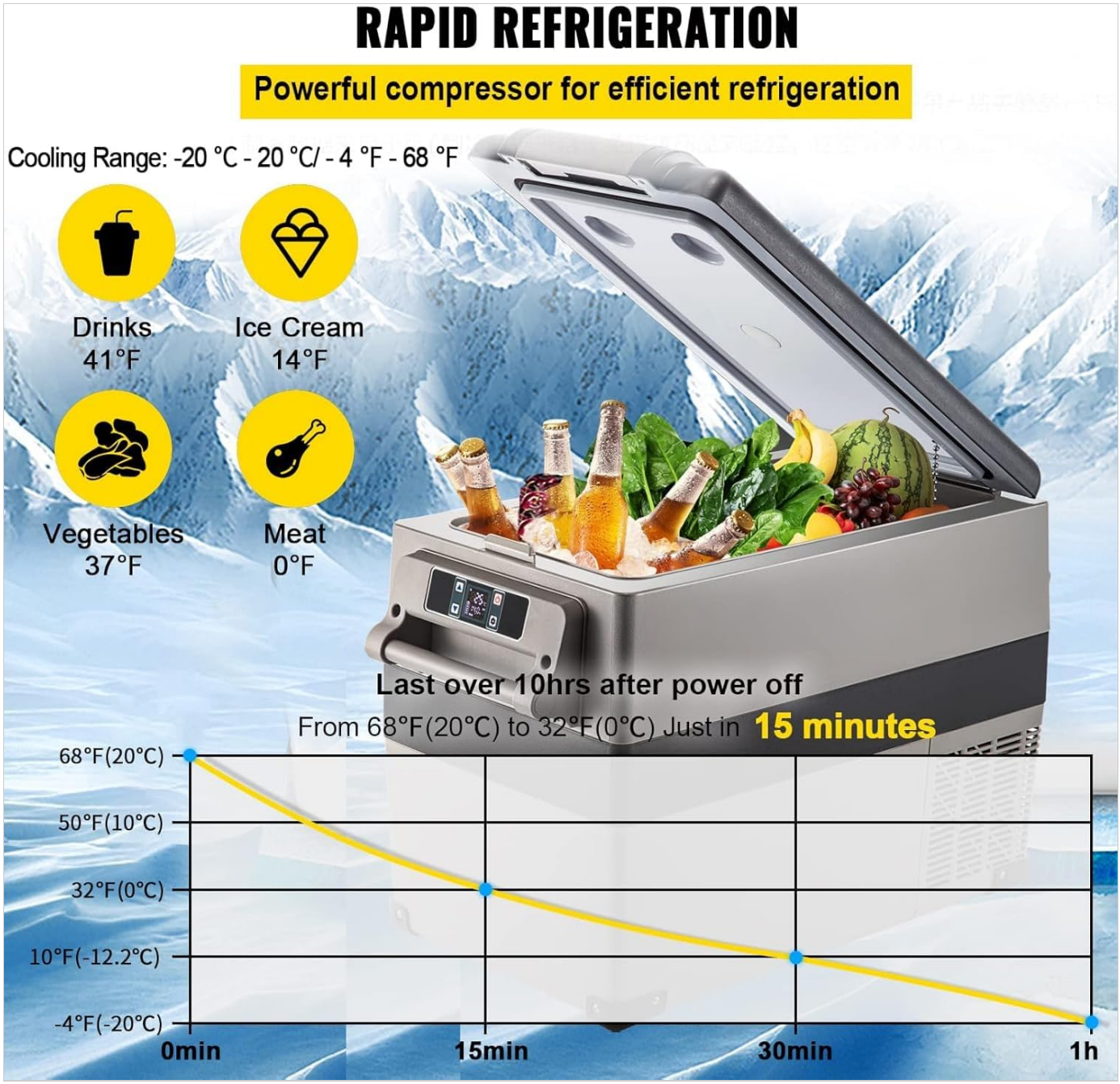


Image 5.1: A graph illustrating the rapid cooling capability of the VEVOR 45L Portable Car Refrigerator, reaching 0°C (32°F) in

approximately 15 minutes from 20°C (68°F).

5.3 Battery Protection Mode

The refrigerator features a 3-stage battery protection system to prevent your vehicle's battery from draining completely. You can select the desired level:

- **H (High):** Highest protection, the refrigerator will stop operating at a higher battery voltage to protect the battery. Recommended for vehicle battery connection.
- **M (Medium):** Medium protection.
- **L (Low):** Lowest protection, allows the refrigerator to operate longer before cutting off. Recommended when connected to an external power bank or auxiliary battery.

To change the battery protection mode:

1. With the refrigerator ON, press and hold the SET button for 3 seconds. The current battery protection mode (H, M, or L) will flash on the display.
2. Use the SET button again to cycle through H, M, L.
3. Release the SET button, and the selected mode will be saved automatically after a few seconds.

5.4 Mobile App Control

The refrigerator can be controlled via a mobile application. Refer to the separate app instruction guide or scan the QR code (if provided on the unit) to download the app and pair your device.

6. Maintenance

6.1 Cleaning

1. Always disconnect the power supply before cleaning.
2. Clean the interior and exterior of the refrigerator with a damp cloth and a mild detergent.
3. Do not use abrasive cleaners, harsh chemicals, or sharp objects, as these can damage the surfaces.
4. Ensure the ventilation openings are clean and free of dust or debris. Use a soft brush or vacuum cleaner to clean them.
5. Dry all surfaces thoroughly before reconnecting power.

6.2 Defrosting

Frost may accumulate inside the refrigerator, especially in humid conditions. To defrost:

1. Turn off the refrigerator and disconnect it from the power supply.
2. Remove all contents.
3. Leave the lid open to allow the frost to melt naturally.
4. Wipe away melted water with a clean cloth.
5. Do not use sharp objects or heating devices to remove frost, as this can damage the cooling system.

6.3 Storage

If the refrigerator will not be used for an extended period:

- Clean and defrost the unit thoroughly.
- Leave the lid slightly ajar to prevent odors and mold growth.

- Store in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.

7. Troubleshooting

Before contacting customer support, please refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Refrigerator does not turn on.	No power supply; faulty power cable; vehicle battery low.	Check power connection; try a different power outlet/socket; check vehicle battery voltage; ensure battery protection mode is not cutting off power.
Cooling performance is poor.	Lid not closed properly; excessive contents; poor ventilation; high ambient temperature; temperature setting too high.	Ensure lid is sealed; do not overfill; clear ventilation openings; move to a cooler location; lower temperature setting.
Display shows an error code.	Internal fault.	Note the error code and contact customer support.

Problem	Possible Cause	Solution
Unusual noise during operation.	Unit not on a flat surface; fan obstruction; compressor issue.	Place on a stable surface; check for obstructions around the fan; if noise persists, contact support.

8. Specifications

Feature	Detail
Model	45L
Capacity	45 L / 47.5 Qt.
Cooling Range	-20 °C to 20 °C / -4 °F to 68 °F
Voltage (DC)	12 V / 24 V
Voltage (AC)	110 V - 240 V
Power	60 W
Outer Dimensions (L x W x H)	27 x 13.6 x 18 inches / 693 x 345 x 456 mm
Large Zone Size (L x W x H)	12.8 x 10.5 x 14.3 inches / 327 x 267 x 363 mm
Small Zone Size (L x W x H)	6.3 x 10.5 x 7.8 inches / 160 x 267 x 198 mm
Net Weight	34.3 lbs / 15.6 kg
Special Feature	App Control
Defrost System	Automatic



Image 8.1: Detailed dimensions of the VEVOR 45L Portable Car Refrigerator, including external measurements and internal freezer/fridge zone sizes.



Image 8.2: Overview of product specifications and examples of the VEVOR 45L Portable Car Refrigerator being used in car, outdoor, and home environments.

9. Warranty and Support

This VEVOR product comes with a 2-year warranty. For warranty claims, technical support, or any questions regarding your product, please contact VEVOR customer service.
Please have your model number (45L) and purchase information ready when contacting support.
For more information, visit the official VEVOR website or refer to your purchase documentation.

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