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SMETA Portable Outdoor Refrigerator Model YCD50N-US User Manual

Model: YCD50N-US | Brand: SMETA

1. INTRODUCTION

Thank you for choosing the SMETA Portable Outdoor Refrigerator. This appliance is designed to provide efficient cooling and freezing for your food and beverages during outdoor activities, travel, and in vehicles. It operates on 12V/24V DC power, making it suitable for cars, RVs, semi-trucks, and camping. Please read this manual thoroughly before use to ensure proper operation, maintenance, and safety.

Important Safety Information

- Always ensure the power supply matches the voltage requirements of the refrigerator (12V/24V DC).
- Do not operate the appliance if the power cord is damaged.
- Keep ventilation openings clear of obstructions.
- Do not use electrical appliances inside the storage compartments unless they are of the type recommended by the manufacturer.
- Avoid placing the refrigerator in direct sunlight or near heat sources.
- Ensure the appliance is stable and level during operation to prevent tipping.

2. PACKAGE CONTENTS

Please check the package to ensure all items are present and undamaged:

- 1 x SMETA Portable Outdoor Refrigerator
- 1 x User Manual

3. PRODUCT FEATURES

The SMETA Portable Outdoor Refrigerator is equipped with several features designed for convenience and performance:

- **Compact Size & Large Capacity:** 50L (53 Quart) capacity, capable of holding approximately 32 cans of cola.

- **Retractable Handles & 5-inch Wheels:** For easy portability and transport.
- **Upgraded Compressor:** Provides rapid cooling and energy efficiency, consuming only about 1.5 KWh per day.
- **Anti-Shake Design:** Maintains stable operation even at a 40° tilt, suitable for bumpy roads.
- **Low Noise Operation:** Operates at approximately 38 dB, ensuring minimal disturbance.
- **Wide Adjustable Temperature Range:** Can be set from -4°F to 68°F (-20°C to 20°C) for both refrigeration and freezing.
- **Battery Protection System:** Features Low, Medium, and High settings to prevent your vehicle battery from draining.
- **Digital Temperature Control:** Easy and precise temperature adjustments.
- **Cup Holders:** Integrated into the lid for convenience.



Figure 3.1: General view of the SMETA Portable Outdoor Refrigerator.

Freezer/Fridge Convertible

Easy to adjustment



-4°F~32°F

32°F~68°F



Figure 3.2: Details of the retractable handle, 5-inch wheels, and adjustable foot for easy transport.

Retractable Handle



5 Inch Wheels



Adjustable Foot



Figure 3.3: The control panel allows easy adjustment between freezer (-4°F to 32°F) and fridge (32°F to 68°F) modes. The internal compartment can be configured for both.



Figure 3.4: The upgraded compressor ensures energy efficiency (1.5 kWh/day), low noise ($\leq 35\text{dB}$), and anti-shake performance (up to 40° tilt).



Figure 3.5: Recommended temperature ranges for different food items: fruits/vegetables (40°F~68°F), drinks (32°F~40°F), ice cream (10°F~32°F), and seafood/meat (-4°F~10°F).

Your browser does not support the video tag.

Video 3.1: An overview of the SMETA Portable Car Refrigerator, demonstrating its portability, power connection, temperature setting, and capacity for outdoor use.

4. SETUP

4.1 Placement

- Place the refrigerator on a flat, stable surface.
- Ensure adequate ventilation around the unit. Leave at least 10 cm (4 inches) of space on all sides for proper airflow.
- Avoid placing the unit in direct sunlight or near heat-emitting appliances.
- When used in a vehicle, secure the refrigerator to prevent movement during transit.



Figure 4.1: The refrigerator fits compactly in a vehicle trunk. Dimensions are 16.5"D x 27.2"W x 18.3"H.

4.2 Power Connection

The refrigerator can be powered by a 12V or 24V DC power source.

1. Locate the DC power input port on the refrigerator.
2. Connect the provided DC power cable to the refrigerator and then to your vehicle's 12V/24V power outlet (cigarette lighter socket).
3. Ensure the connection is secure.

5. OPERATING INSTRUCTIONS

5.1 Control Panel Overview

The control panel is located on the top of the unit and features a digital display and control buttons.

- **Display:** Shows the current temperature and voltage.
- **Power Button:** Turns the unit ON/OFF.
- **SET Button:** Enters temperature setting mode or switches between modes.
- **+ Button:** Increases temperature or navigates menu options.
- **- Button:** Decreases temperature or navigates menu options.

5.2 Temperature Setting

1. Press the Power button to turn on the refrigerator.
2. Press the SET button once. The temperature display will flash.
3. Use the + or - buttons to adjust the desired temperature. The temperature range is -4°F to 68°F (-20°C to 20°C).
4. After setting, the display will stop flashing and return to showing the current internal temperature.

5.3 Battery Protection Settings

The unit features a 3-level battery protection system (Low, Medium, High) to prevent excessive discharge of your vehicle's battery.

1. With the unit ON, press and hold the SET button for 3 seconds until the display shows 'E'.
2. Press the SET button repeatedly to cycle through the battery protection levels: L (Low), M (Medium), H (High).
3. Select the desired level. 'H' is recommended for vehicle battery protection.
4. The setting will be saved automatically after a few seconds of inactivity.

6. MAINTENANCE

6.1 Cleaning

- Always unplug the unit before cleaning.
- Clean the interior and exterior with a damp cloth and mild detergent. Do not use abrasive cleaners or harsh chemicals.
- Ensure the unit is completely dry before reconnecting power.
- Regularly clean the ventilation grilles to ensure proper airflow and efficiency.

6.2 Defrosting

Frost may accumulate inside the unit, especially when used as a freezer. Defrost the unit when the frost layer is approximately 5mm (0.2 inches) thick.

1. Turn off the refrigerator and disconnect it from the power source.
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. Do not use sharp objects to remove frost.

6.3 Storage

When storing the refrigerator for an extended period:

- Ensure the unit is clean and dry.
- 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

If you encounter issues with your SMETA Portable Outdoor Refrigerator, please refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; loose connection; vehicle battery low.	Check power cable connection; ensure power source is active; check vehicle battery voltage.
Unit not cooling effectively.	Temperature setting too high; poor ventilation; excessive contents; lid not sealed properly.	Lower temperature setting; ensure clear ventilation; do not overfill; check lid seal.
Display shows an error code.	Internal fault or sensor issue.	Refer to specific error code in a more detailed manual (if available) or contact customer support.
Excessive noise during operation.	Unit not level; fan obstruction.	Place unit on a level surface; check for obstructions around the fan.

8. SPECIFICATIONS

Technical specifications for the SMETA Portable Outdoor Refrigerator Model YCD50N-US:

Feature	Specification
Model Number	YCD50N-US
Product Dimensions (D x W x H)	16.5" x 27.2" x 18.3"
Capacity	50 Liters (53 Quart)
Item Weight	27 Pounds
Voltage	12 Volts (DC), 24 Volts (DC)
Temperature Range	-4°F to 68°F (-20°C to 20°C)
Cooling Method	Compressor
Noise Level	Approximately 38 dB
Defrost System	Frost Free
Special Features	Anti-Shake, Automatic Defrost, Digital Temperature Control, Low Noise, Portable
Manufacturer	Simate

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This SMETA Portable Outdoor Refrigerator comes with a **1-Year Limited Warranty** from the date of purchase. This warranty covers manufacturing defects in materials and workmanship under normal use. It does not cover damage caused by misuse,

accident, unauthorized modification, or improper installation.

9.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your product, please contact SMETA customer support. Please have your model number (YCD50N-US) and proof of purchase ready when contacting support. Contact information can typically be found on the manufacturer's official website or through your retailer.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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