

SMETA DSG-60B1E

SMETA 60L 3-Way Absorption Refrigerator User Manual

Model: DSG-60B1E

1. INTRODUCTION

Thank you for choosing the SMETA 60L 3-Way Absorption Refrigerator. This appliance is designed to provide reliable cooling for your food and beverages using three power sources: 12V DC, 230V AC, and gas. Its versatile design makes it suitable for various applications, including camping, RVs, vans, off-grid cabins, and garages. Please read this manual thoroughly before installation and operation to ensure safe and efficient use of your refrigerator.

2. IMPORTANT SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of fire, electric shock, injury, or damage to the appliance.

- **General Safety:** Ensure the refrigerator is placed on a stable, level surface. Do not block ventilation openings. Keep flammable materials away from the appliance.
- **Electrical Safety:** Connect to properly grounded outlets. Do not use extension cords or adapters. Disconnect power before cleaning or maintenance. Do not operate with wet hands.
- **Gas Safety:** Use only the specified type of gas (e.g., propane). Ensure adequate ventilation when operating on gas. Regularly check for gas leaks using a soapy water solution on connections. Never operate the gas burner in enclosed, unventilated spaces.
- **Children Safety:** Keep children away from the appliance, especially when operating on gas. Ensure the door cannot be accidentally closed on a child.

3. PRODUCT OVERVIEW

The SMETA 60L Absorption Refrigerator features a compact design with a 60-liter capacity, offering flexible power options and quiet operation.

Key Features:

- **3-Way Power:** Operates on 12V DC, 230V AC, and Gas (propane/LPG).
- **Capacity:** 60 Liters.

- **Quiet Operation:** Absorption cooling system ensures minimal noise (≤ 21 dB).
- **Reversible Door:** Door hinge can be changed to open from either side.
- **Adjustable Shelves:** Tempered glass shelves for flexible storage.
- **Automatic Defrost:** Features an automatic or frost-free defrosting system.

Components:

Familiarize yourself with the refrigerator's external and internal components.

Lock in Freshness: Maintain Quality at 0-10°C





**Other Fridges:
Limited Freshness**

VS



**Ours:
Long-Lasting Freshness**



Figure 3.1: Interior view of the SMETA 60L refrigerator with both doors open, displaying adjustable shelves and door compartments for bottles and cans.



Figure 3.2: The refrigerator's control panel and power input options, highlighting its compatibility with AC 220-240V, Gas, and DC 12V power sources.

4. SETUP

4.1 Unpacking

1. Carefully remove all packaging materials.
2. Inspect the refrigerator for any shipping damage. Report any damage to your retailer immediately.
3. Remove all internal packing, including shelves and door bins, and clean the interior with a damp cloth.

4.2 Placement

- Place the refrigerator on a firm, level surface to ensure proper operation and prevent vibrations.
- Ensure adequate ventilation around the unit, especially at the rear where the cooling unit is located. Maintain at least 10 cm (4 inches) of clearance on all sides and above the unit.

- Avoid direct sunlight or proximity to heat sources (e.g., stoves, heaters) to maximize cooling efficiency.

Cooling Excellence: Superior Efficiency at Its Best



**High cooling efficiency with
pure aluminum cooling plate**



**Advanced compressor for
superior cooling performance**



**Thick opaque door for light-blocking
and heat insulation to prevent air loss
inside the fridge**

Figure 4.1: The SMETA 60L refrigerator positioned securely in a vehicle's trunk, illustrating its suitability for travel and mobile use.

4.3 Connecting to Power

The refrigerator can be powered by 12V DC, 230V AC, or gas.

- **230V AC Connection:** Plug the power cord into a standard 230V AC wall outlet. Ensure the outlet is properly grounded.
- **12V DC Connection:** Connect the 12V DC cable to a suitable 12V power source, such as a vehicle's cigarette lighter socket or a dedicated 12V power supply.
- **Gas Connection:** Connect the gas hose to a regulated gas supply (e.g., propane cylinder) according to local regulations and manufacturer instructions. Ensure all connections are tight and check for leaks using a soapy water solution.

5. OPERATING INSTRUCTIONS

5.1 Power Source Selection

The control panel on the front of the refrigerator allows you to select the desired power source and adjust the temperature.

1. Locate the power source selector switch on the control panel.
2. Select the appropriate setting for AC (230V), DC (12V), or Gas.
3. Ensure only one power source is active at a time to prevent damage and ensure efficient operation.

5.2 Temperature Control

Use the temperature control dial to set the desired cooling level. Higher settings provide colder temperatures.



Figure 5.1: The refrigerator's interior, showcasing its ability to maintain freshness for various food and drink items.

5.3 Gas Operation

1. Ensure the gas supply is connected and the gas valve is open.

2. Turn the power selector to the 'Gas' position.
3. Press and hold the gas ignition button (if applicable) while simultaneously turning the gas control knob to the 'ON' position.
4. Observe the flame indicator (if present) to confirm ignition. Hold the button for a few seconds after ignition to allow the thermocouple to heat up.
5. Adjust the gas flame intensity using the control knob to regulate cooling.

5.4 AC/DC Operation

1. Ensure the refrigerator is properly connected to the 230V AC or 12V DC power source.
2. Turn the power selector to the 'AC' or 'DC' position.
3. The cooling process will start automatically. Adjust the temperature dial as needed.

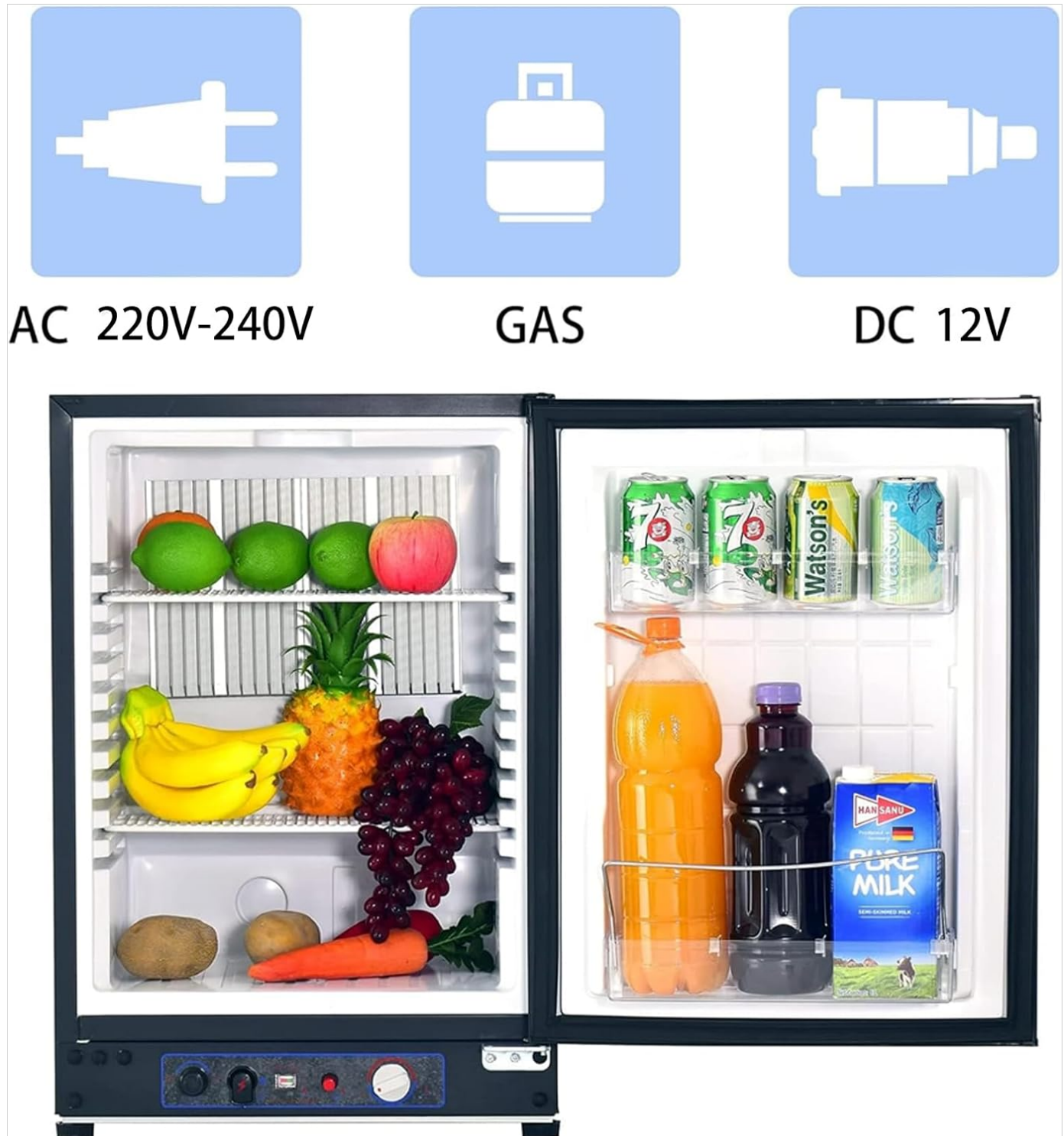


Figure 5.2: The refrigerator operating quietly, suitable for environments where low noise is essential, such as a tent or bedroom.

6. MAINTENANCE

6.1 Cleaning

- **Interior:** Clean the interior regularly with a mild detergent and warm water. Rinse thoroughly and dry with a soft cloth. Do not use abrasive cleaners or solvents.
- **Exterior:** Wipe the exterior with a damp cloth. For stubborn stains, use a mild cleaner.
- **Door Seal:** Keep the door gasket clean to ensure a tight seal.

6.2 Defrosting

This refrigerator features an automatic or frost-free defrosting system. However, if ice buildup occurs, manually defrost the unit:

1. Turn off the refrigerator and disconnect it from all power sources (AC, DC, Gas).
2. Remove all food items.
3. Leave the door open to allow ice to melt naturally. Place a towel at the bottom to absorb water.
4. Once defrosted, clean and dry the interior before restarting.

6.3 Gas System Checks

Periodically check gas connections for leaks. If you suspect a leak, turn off the gas supply immediately and ventilate the area. Do not use the appliance until the leak is repaired by a qualified technician.

7. TROUBLESHOOTING

Before contacting customer support, please refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
Refrigerator not cooling	No power supply (AC/DC/Gas) Temperature setting too high Poor ventilation Door not closed properly	Check power connections and source Adjust temperature dial to a colder setting Ensure adequate clearance around the unit Check door seal and ensure door is fully closed
Gas burner not igniting	No gas supply Air in gas line Ignition electrode dirty/faulty	Check gas cylinder and valve Purge air by attempting ignition several times Contact qualified service personnel
Excessive noise	Unit not level Objects vibrating against the unit	Ensure refrigerator is on a level surface Remove any objects touching the unit

8. SPECIFICATIONS

Detailed technical specifications for the SMETA 60L Absorption Refrigerator.

Feature	Specification
Model Number	DSG-60B1E
Brand	SMETA

Feature	Specification
Capacity	60 Liters
Dimensions (D x W x H)	48 cm x 46.2 cm x 67.5 cm
Weight	22.6 Kilograms
Power Sources	230V AC, 12V DC, Gas (Propane/LPG)
Cooling Method	Absorption
Defrost System	Automatic or Frost-free
Refrigerant	R-600A
Number of Doors	1
Shelf Type	Tempered Glass
Noise Level	≤ 21 dB

≤ 21 dB
light sound operation



Figure 8.1: Dimensions of the refrigerator (48.5cm depth, 46.2cm width, 68.5cm height) and an illustration of its 60L capacity, capable of holding approximately 48 x 330ml cans.



Figure 8.2: Illustration of the refrigerator's cooling excellence, highlighting the pure aluminum cooling plate, advanced compressor, and thick opaque door for light-blocking and heat insulation.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This SMETA refrigerator comes with a **12-month manufacturer's warranty** from the date of purchase. This warranty covers 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

If you encounter any issues that cannot be resolved using the troubleshooting guide, or if you require warranty service, please contact your retailer or the manufacturer directly. When contacting support, please have your model number (DSG-60B1E) and proof of purchase readily available.

Manufacturer: Simate

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question