SMETA SC-60A

SMETA Propane Fridge LPG 12V 3 Way Fridge 2.1 Cu.ft Outdoors Refrigerator Instruction Manual

Model: SC-60A | Brand: SMETA

Product Overview

The SMETA 3-Way Propane Fridge is a versatile 2.1 cubic foot absorption refrigerator designed for off-grid use in RVs, motorhomes, campervans, and camping environments. It offers three power options: Propane (LPG), 110V AC, and 12V DC, providing flexibility for various power availability scenarios. Its silent operation and durable design ensure a reliable cooling solution for your travels.

Key features include a 60L large capacity with removable shelves, a reversible door for adaptable placement, and an advanced absorption cooling system that operates silently without Freon. The compact dimensions (18 x 18.9 x 27.4 inches) allow for installation in small spaces or easy outdoor portability.



Image: The SMETA 3-Way Propane Fridge, showcasing its interior capacity with various items, positioned next to a propane tank, highlighting its primary power source.

Setup and Installation

Unpacking

Carefully remove the refrigerator from its packaging. Inspect the unit for any signs of damage during transit. Retain all packaging materials for potential future transport or returns.

Placement

The compact design of this refrigerator allows for flexible placement. It can be installed inside RVs, under tables, or within built-in cabinets. Ensure adequate ventilation around the unit, especially when operating on propane, to prevent heat

buildup and ensure efficient operation.



Image: The SMETA refrigerator seamlessly integrated into an RV interior, demonstrating its suitability for mobile living spaces.



Image: A visual representation of the refrigerator's external dimensions and internal layout, including adjustable shelves.

Connecting to Propane (LPG)

The refrigerator comes with a gas hose and regulator for propane connection. Ensure all valves between the gas container and the refrigerator are open before connecting.

1. Connect one end of the gas hose (with the regulator) to your propane gas tank.
2. Connect the other end of the gas hose to the designated gas inlet on the back of the refrigerator.
3. Ensure both connections are firmly secured to prevent gas leaks.



Image: Detail of the gas inlet on the rear of the refrigerator, where the propane hose connects.

Connecting to Electrical Power (110V AC / 12V DC)

For 110V AC operation, simply plug the refrigerator into a standard wall outlet. For 12V DC operation, connect the appropriate 12V DC cable to your vehicle's power source or a compatible battery system. Ensure correct polarity for DC connections.

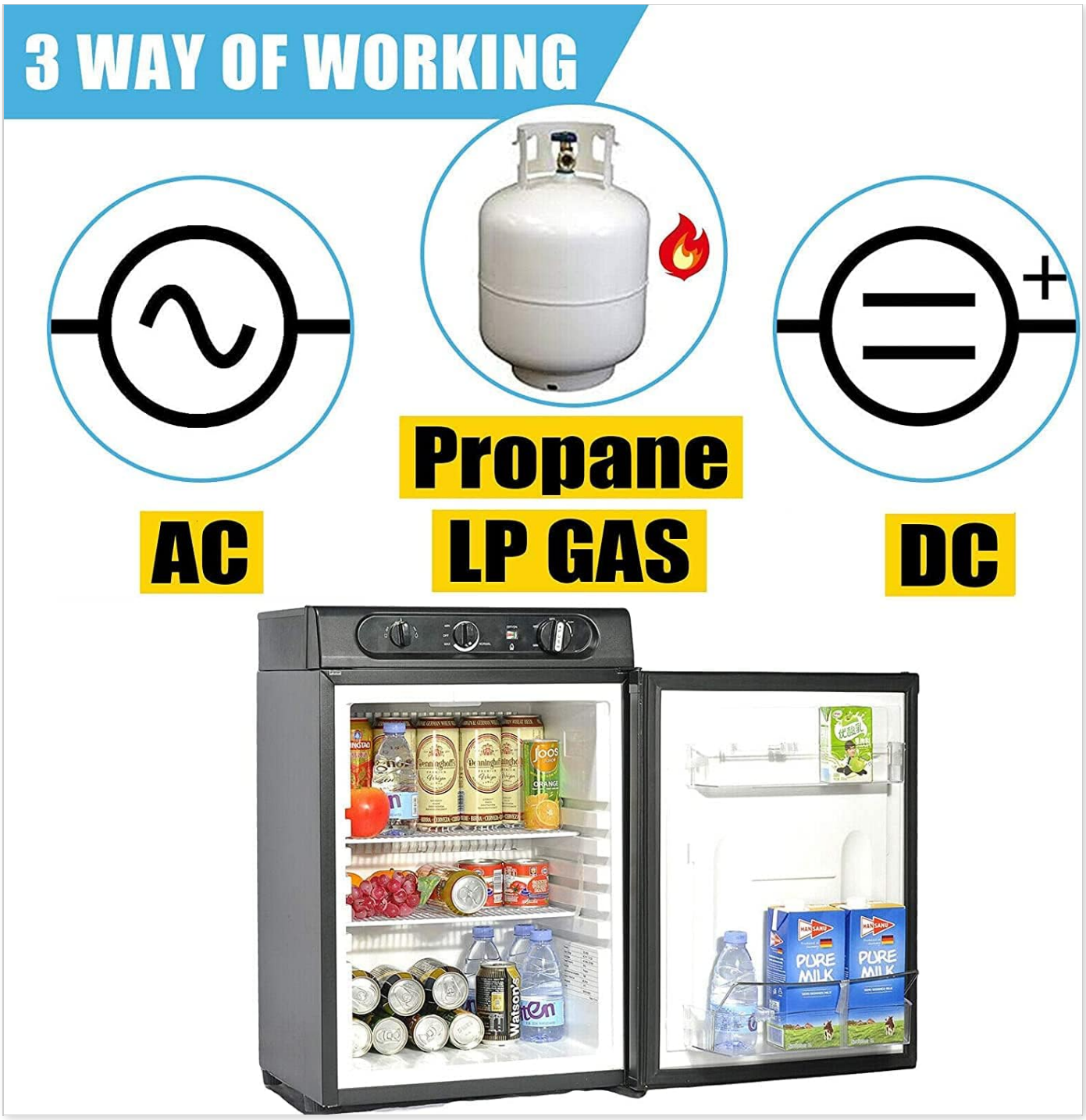


Image: Visual representation of the refrigerator's three power modes: AC, Propane LP Gas, and DC, with corresponding electrical symbols and a gas tank icon.

Operating Instructions

The refrigerator features a multi-function control panel on top for easy operation and mode selection.



Image: The easy-to-use control panel of the SMETA fridge, showing the mode switch, igniter button, safety valve, and flame indicator.

Power Source Selection

Use the rotary switch (labeled 'Mode Switch Button' or 'F' in some diagrams) on the control panel to select your desired power source: Gas, DC12V, or AC. Turn the knob to the corresponding setting.

Gas Ignition (Battery Ignition Type)

If your model has a battery ignition:

1. Set the rotary switch to 'Gas'.
2. Depress the safety device control (C) and hold it down while depressing the igniter switch (A).
3. Check the flame indicator (B) to see whether the flame is alight.
4. Keep the safety device control (C) depressed for a further 10-15 seconds.
5. Release the safety device control (C) and again check to see that the flame is alight.

Gas Ignition (Piezo Igniter Type)

If your model has a piezo igniter:

1. Set the rotary switch to 'Gas'.
2. Push the ignition switch (E). You may hear a "ka" sound as the igniter pin sparks.
3. Once the flame indicator (B) starts to move into the green area, release the igniter button (E).
4. Confirm the flame is alight by checking that the needle remains in the green area of the flame indicator.



Image: Detailed view of the two control panel variations, illustrating the different ignition mechanisms and their corresponding labels.

Temperature Control

Adjust the thermostat knob (D) to your desired temperature setting. The refrigerator is designed to maintain temperatures between 32℉ and 50℉ (0℃ and 10℃). Allow 8 to 10 hours for the unit to reach the set temperature after initial startup.



Image: A cat resting on the refrigerator, emphasizing its quiet operation (0dB Super Low Noise).

Internal Storage

The 2.1 cu.ft (60L) interior features removable and adjustable shelves, allowing you to customize the storage space for various food and drink items. The door is reversible for convenience in limited spaces.



Image: The refrigerator's interior, showcasing its capacity and adjustable shelves filled with groceries.

Maintenance

The SMETA absorption refrigerator is designed for low maintenance due to its lack of moving parts, contributing to a service life of up to 20 years. Regular cleaning and proper ventilation are key to optimal performance.

General Cleaning

- Unplug the refrigerator and turn off the gas supply before cleaning.
- Wipe down the interior and exterior surfaces with a soft cloth and mild detergent. Avoid abrasive cleaners.
- Clean removable shelves and door bins with warm, soapy water.
- Ensure the rear ventilation area is free from dust and debris to maintain efficient cooling.

Absorption System Maintenance

If the cooling performance seems reduced, the absorption system may need to be reset. This can often be achieved by simply turning the refrigerator over (upside down), letting it sit for a period (e.g., 24 hours), and then restoring it to its upright position. This process helps to redistribute the internal fluids. Allow time for the system to stabilize after this procedure.

Exhaust System (for Indoor Use)

If using the refrigerator indoors with propane, an optional exhaust kit is available to vent combustion byproducts outside. This kit typically includes an exhaust pipe and a wall cover for rain protection.



Image: Installation of the exhaust pipe into the refrigerator's ventilation system for indoor operation.



Image: The exhaust pipe with its protective cover, designed to be installed through a wall to safely vent exhaust gases and prevent water ingress.

Troubleshooting

This section provides solutions to common issues you might encounter with your SMETA refrigerator.

Gas Burner Not Lighting

- **Check Gas Supply:** Ensure the propane tank has gas and all valves are fully open.
- **Ignition Attempts:** If the burner does not light after 4-5 attempts, turn off the gas tap, wait 5 minutes, and then try to re-light. This allows any accumulated gas to dissipate.
- **Battery Check (Battery Ignition Models):** If the battery ignition fails to spark, the battery may need to be replaced.
- **Flame Indicator:** Ensure the flame indicator moves to the green area after ignition attempts. If it remains red, the flame has not successfully ignited.
- **Professional Service:** If issues persist, contact an authorized service provider.

Refrigerator Not Cooling or Freezing Items

- **Temperature Setting:** Adjust the thermostat knob to a higher or lower setting as needed. Allow several hours for the temperature to stabilize.
- **Ventilation:** Ensure adequate airflow around the refrigerator, especially at the rear. Blocked vents can impair cooling efficiency.
- **Level Surface:** Absorption refrigerators operate best on a level surface. Ensure the unit is stable and not tilted.

- **Absorption System Reset:** If cooling is severely impacted, consider performing the absorption system reset procedure described in the Maintenance section.

Door Not Staying Closed

- **Check Latch Mechanism:** Inspect the door latch for any obstructions or damage.
- **Ensure Leveling:** An unlevel refrigerator can cause the door to swing open. Adjust the unit's position to ensure it is level.
- **Secure During Travel:** For RV or mobile use, it is highly recommended to secure the refrigerator door with an external latch or strap during transit to prevent accidental opening and contents spilling.

Product Specifications

Feature	Detail
Brand	SMETA
Model Number	SC-60A
Item Weight	49.9 pounds
Product Dimensions	18 x 18.9 x 27.4 inches (D x W x H)
Capacity	2.1 Cubic Feet (60 Liters)
Installation Type	Freestanding
Form Factor	Stand Alone
Special Features	Easy to Install, 12v refrigerator, Quiet, Adjustable, Adjustable Shelves
Color	Black
Voltage	110 Volts (AC), 12 Volts (DC)
Racks/Shelves	3 Wire Shelves
Defrost System	Automatic
Door Hinges	Reversible
Door Material Type	Stainless Steel
Compatible Device	Gas/12v
Certification	ETL, UL (BEE Star Rating)

Official Product Video

Watch the official SMETA product video for a visual guide on setup and operation, particularly focusing on the propane gas connection and control panel usage.

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Video: "SMETA 3 Way Fridge Propane Refrigerator Off Grid" - This video demonstrates the three power sources (AC, DC, Propane) and provides a step-by-step guide on connecting the propane gas and operating the control panel for gas ignition.

Warranty and Support

SMETA products are designed for durability and long-term performance. For specific warranty details, please refer to the documentation included with your purchase or contact SMETA customer support directly.

- **Returns:** This product is eligible for 30-day easy returns.
- **Customer Support:** For technical assistance, troubleshooting, or warranty claims, please contact SMETA Electric Appliances Co.,Ltd.
- **Online Store:** Visit the official SMETA Store on Amazon for more products and support information.

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