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› [BougeRV](#) /

› BougeRV CRPRO 30 Quart 12V Portable Refrigerator User Manual

BougeRV CR PRO 30

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Model: CR PRO 30

1. INTRODUCTION

Thank you for choosing the BougeRV CRPRO 30 Quart 12V Portable Refrigerator. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new portable refrigerator. Please read this manual thoroughly before use and retain it for future reference.

2. SAFETY INSTRUCTIONS

- Ensure the power voltage matches the specifications of the appliance.
- Do not operate the refrigerator if the power cord is damaged. Contact customer support for replacement.
- Avoid placing the refrigerator in direct sunlight or near heat sources.
- Ensure adequate ventilation around the unit. Do not block air vents.
- Do not immerse the refrigerator in water or expose it to heavy rain.
- Keep children away from the appliance during operation.
- Unplug the refrigerator before cleaning or performing any maintenance.
- This appliance is designed for cooling and freezing food and beverages. Do not use it for other purposes.
- The refrigerator can operate with up to a 30° inclination, but for optimal performance and longevity, keep it as level as possible.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all the following items are included:

- 1 x BougeRV CRPRO 30 Quart Portable Refrigerator
- 1 x 10.82 ft 12V/24V DC Power Cord
- 1 x 1.64 ft DC Charging Cord for Portable Battery (if applicable)
- 1 x 6.56 ft 100-240V AC Adapter

- 1 x User Manual (this document)

4. SETUP

4.1 Initial Placement

Place the refrigerator on a stable, level surface. Ensure there is sufficient space around the unit for proper ventilation, especially around the air vents. Avoid placing it directly against walls or in enclosed spaces without airflow.

4.2 Power Connection

The CRPRO 30 can be powered by either DC (12V/24V) or AC (100-240V) power sources.

- **DC Power:** Connect the 12V/24V DC power cord to the refrigerator's DC input port and then to your vehicle's cigarette lighter socket or a compatible DC power source.
- **AC Power:** Connect the 100-240V AC adapter to the refrigerator's AC input port, then plug the adapter into a standard wall outlet.

Note: The refrigerator will automatically detect the input voltage. Ensure the power source is stable and provides adequate current.

4.3 Securing the Refrigerator

The CRPRO 30 features four tie-down points on both sides. Use ropes or straps (not included) to securely fasten the refrigerator in your vehicle, preventing movement during transit.

Won't Disturb Your Sleep

Extra Quiet <45dB



Leave Sound



20dB

Whisper



30dB

Car Refrigerator



45dB

Normal Chat



55dB

Music



70dB

Car Driving



85dB

Image: The portable refrigerator secured using its tie-down points, demonstrating stability during travel.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the power button on the control panel to turn the refrigerator on or off. The display will illuminate when the unit is powered on.

5.2 Temperature Setting

Use the '+' and '-' buttons on the control panel to adjust the desired temperature. The temperature range is typically from -8°F (-22°C) to 50°F (10°C). The display will show the set temperature, then revert to the current internal temperature.



Image: The refrigerator actively cooling beverages, demonstrating its fast cooling capability from 77°F to 32°F in 15 minutes under specific conditions.

5.3 Mode Selection (MAX/ECO)

Press the 'SET' button to cycle through operating modes:

- **MAX Mode:** Provides maximum cooling power for rapid temperature reduction. Consumes approximately 45W.
- **ECO Mode:** Energy-saving mode, ideal for maintaining temperature once reached. Consumes approximately 36W.

5.4 Interior LED Light

The refrigerator is equipped with an interior LED light for convenient use in low-light conditions. This light activates automatically when the lid is opened.

INTERIOR LED LIGHT

Convenient for using the refrigerator at night



Image: The interior LED light illuminating the contents of the refrigerator at night, enhancing visibility.

5.5 Storage Box for Power Station

The CRPRO refrigerator includes a dedicated storage box designed to accommodate a 220Wh portable power station (sold separately) and accessories. This extends the refrigerator's operating time and helps organize cables.

Mutil-Functional Storage Box

(Compatible with 266Wh battery)



The 266wh Battery

(Needs to be purchased separately)

Image: A portable power station being placed into the multi-functional storage box of the refrigerator, highlighting its compatibility.

5.6 Capacity and Usage

The 30-quart (29-liter) capacity allows for versatile storage. It can function as either a refrigerator or a freezer, depending on the set temperature. It can hold approximately 35 cans (12 fl oz), 9 bottles of water (33.8 fl oz), 6 bottles of orange juice (52 fl oz), or 2 bottles of 1-gallon milk vertically.

CRPRO 30QT/29L REFRIGERATOR

Can hold 2 bottles of 1 gal milk vertically!



35 Cans
12 fl oz
Cola



9 Bottles
33.8 fl oz
Bottled Water



6 Bottles
52 fl oz
Orange Juice



2 Bottles
1 Gallon
Milk



Image: An illustration detailing the internal dimensions and various capacities of the CRPRO 30 refrigerator for different types of beverages.

Freezer or Fridge, You Decide!

*No Ice Needed

 -8~50°F



Frozen Meat
-8°F~32°F



Refrigerated Beverages
32°F~50°F

Image: The refrigerator being used in an outdoor setting, showcasing its ability to function as both a freezer (for frozen meat) and a refrigerator (for beverages) with a wide temperature range.

6. MAINTENANCE

6.1 Cleaning

- Always unplug the refrigerator before cleaning.
- Wipe the interior and exterior surfaces with a damp cloth and a mild detergent.
- Do not use abrasive cleaners, harsh chemicals, or sharp objects, as these can damage the surfaces.
- Ensure the unit is completely dry before reconnecting power.

6.2 Defrosting

The CRPRO 30 features manual defrost. If ice accumulates inside, turn off the unit, unplug it, and allow the ice to melt naturally. Wipe away any melted water with a clean cloth. Do not use sharp objects to remove ice.

6.3 Storage

When storing the refrigerator for an extended period, ensure it is clean, dry, and unplugged. Store it in a dry, well-ventilated area, away from direct sunlight and extreme temperatures. Leave the lid slightly ajar to prevent odors and mold growth.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Refrigerator not turning on	No power supply; Damaged power cord; Blown fuse in vehicle.	Check power connection; Try a different power outlet/vehicle socket; Inspect power cord for damage; Check vehicle fuse.
Insufficient cooling	Temperature set too high; Blocked vents; Excessive ambient temperature; Too much warm content inside.	Lower the set temperature; Ensure vents are clear; Move to a cooler environment; Allow time for cooling.
Display error code	Internal fault.	Refer to the specific error code in a more detailed technical manual (if available) or contact customer support.
Excessive noise	Unit not level; Fan obstruction.	Ensure the refrigerator is on a level surface; Check for any obstructions around the fan. The unit operates at a low noise level (under 45dB).

If the problem persists after attempting these solutions, please contact BougeRV customer support for assistance.



Image: Two individuals carrying the portable refrigerator, illustrating its design for easy transport.



Image: The BougeRV CRPRO 30 Quart Portable Refrigerator in its grey color, showcasing its overall design.

8. SPECIFICATIONS

Feature	Detail
Model Name	CR PRO 30
Capacity	30 Quarts (29 Liters)
Product Dimensions (D x W x H)	58.4D x 32W x 41.1H Centimetres (23 x 12.6 x 16.2 inches)
Item Weight	11.65 kg (25.69 Pounds)
Cooling Method	Compressor
Temperature Range	-8°F to 50°F (-22°C to 10°C)

Feature	Detail
Voltage	12V/24V DC, 100-240V AC
Power Consumption (MAX Mode)	45W
Power Consumption (ECO Mode)	36W
Noise Level	Less than 45dB
Defrost System	Manual
Refrigerant	R-134A
Manufacturer	BougeRV

9. WARRANTY AND SUPPORT

The BougeRV CRPRO 12V refrigerator comes with a **2-year technical support**. For any product questions, technical assistance, or warranty claims, please do not hesitate to contact BougeRV customer support. Please visit the official BougeRV website or refer to the contact information provided with your purchase for the most up-to-date support channels.