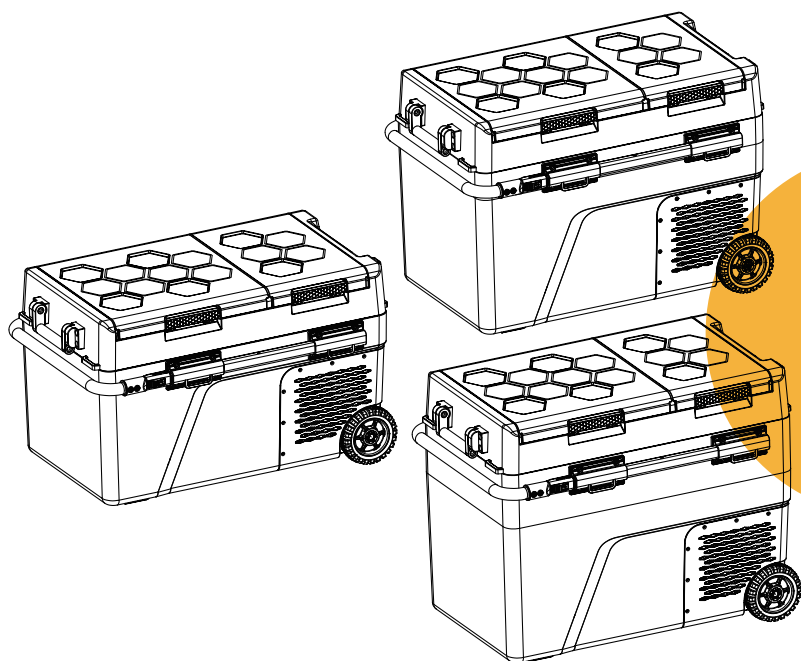


BougeRV

USER MANUAL

FOR 43/52/61 QUART PORTABLE REFRIGERATOR



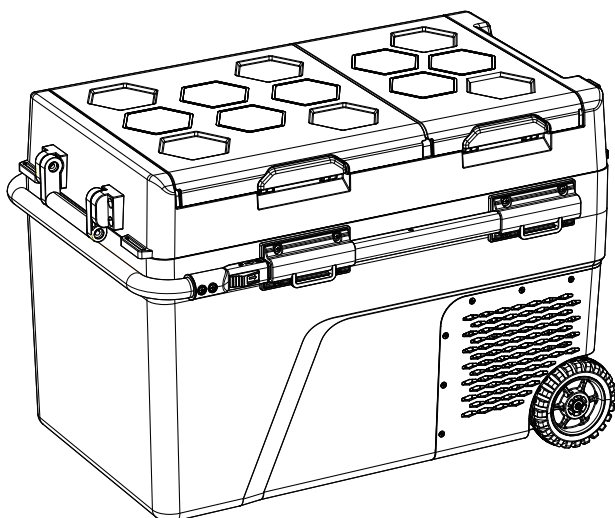
MODEL CRD2 40 / CRD2 50 / CRD2 60
(43QT/52QT/61QT)

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1.Package Contents

Portable Refrigerator

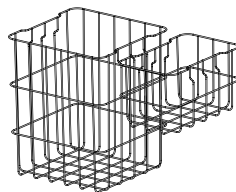
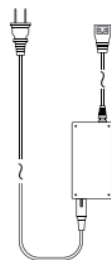
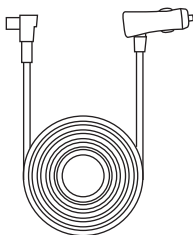


User Manual

12/24V DC
Power Cord

100~240V
AC Adapter

Removable
Basket*2



2.Safety Instructions



WARNING! Failure to comply with these warnings may cause your device to malfunction and may result in injury to you and other users.

- DO NOT use the device if it is visibly damaged.
- DO NOT block the gaps of the device with things like pins , wire , etc.
- DO NOT expose the device to rain or submerge it in water.
- DO NOT place the device near open flames or other sources of heat , such as heaters , direct sunlight , gas stoves , etc.
- DO NOT store explosive substances in the device , such as spray cans with flammable propellants , etc.
- Before powering on the device , ensure the power cord and plug are dry.
- Check whether the voltage specification on the nameplate matches that of the energy supply.
- Before powering on for the first time,ensure that the device has been left flat for 12 hours.
(Condition : door located at the top.)
- Ensure that the device stays horizontal when it is running.The tilt angle must be less than 5° for long-term work and less than 45°for short-term work.
- The device must be well-ventilated to allow for heat dissipation and ensure that there is space around the cooling vents.(Back space≥7.9 in,side space≥3.9 in)
- The device can only be repaired by qualified personnel.Improper repairs may lead to safety hazards . If the power cable is damaged , it must be replaced by the manufacturer , customer service , or a similarly qualified person in order to prevent safety hazards.



NOTICE!

- This appliance can be used by children aged 8 years and above and persons with reduced physical , sensory,or mental capabilities or lack of experience and knowledge if they've been given supervision and instruction concerning the use of the appliance in a safe way and understand the hazards involved.
- Children must be supervised to ensure that they do not play with the device.
- The installation of DC power in the boat must be handled by qualified electricians.
- Never pull the plug out of the socket by pulling the cord.
- Disconnect this device or turn it off when you turn your car engine off . Otherwise , it could drain your car's battery.

CAUTION!

- Before placing food in the fridge, it is advisable to keep it in its original packaging or keep it in a suitable storage box.
- Set the right temperature for the food you are putting in the fridge. The table below shows the recommended temperatures for some common foods.

The recommended temperature for common food:

						
Drinks	Fruits	Vegetable	Delicatessen	Wine	Ice Cream	Meat
41°F/5°C	41~46°F/5~8°C	37~50°F / 3~10°C	39°F/4°C	50°F/10°C	14°F/-10°C	0°F/-18°C

3. Preparing Before Use

- Open the package and take out all accessories. After that, allow the fridge to sit flat for 12 hours before powering up.
- When using it for the first time, clean the inside and the outside of the fridge with a damp cloth and wait until it gets dry.
- Place the fridge in a suitable position according to your usage scenario (Car, Truck, RV, Camper, Van, Jeep, SUV, Boat, Home, etc.)
- Choose the correct power cord (AC adapter or DC cord) according to the power source you are using. Please read 5.1 Power Supply carefully for details.

4. Product Introduction

4.1 Product Features

MULTIPLE USAGE SCENARIOS: You can use this fridge in a variety of vehicles such as SUV, Truck, RV, Camper, Jeep, Van, Boat, etc. It can also be used for outdoor activities such as camping, tailgating, road trips, outdoor trips, and off-road. The fridge can also be used when at home.

Dual Zone Design:

Dual storage compartments with independent temperature control for simultaneous cooling and freezing

2 DUAL ZONE DESIGN: MAX mode and ECO mode. MAX mode is used for fast cooling, and the rated power of it is 55W. ECO mode is used to save energy, and the rated power of it is 40W.

Energy Efficiency: No matter whether the fridge is in MAX mode or ECO mode, it consumes far less than 1kWh per day for its intelligent cycle work

Freezer or Refrigerator : With an adjustable temperature range from -4°F to 68°F, it can be used as a freezer or refrigerator.

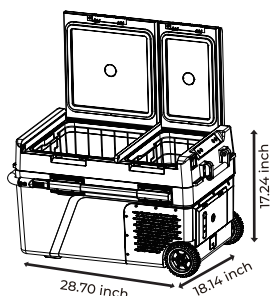
3-Level Battery Protection Function : the battery monitor will shut off the fridge/freezer as soon as the supply voltage falls below the set level.

45dB Low Noise : This fridge has a low-noise design that will not disturb you when driving or sleeping.

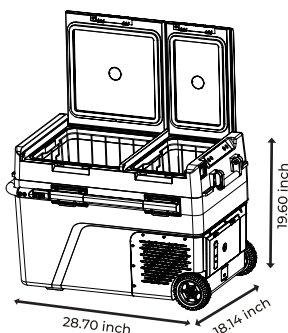
Power-Off Memory Function : When the fridge is turned on again after a power failure, the settings will remain the same as the last time it was set.

4.2 Product Size

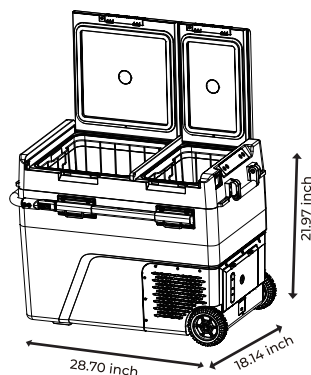
CRD2 40



CRD2 50

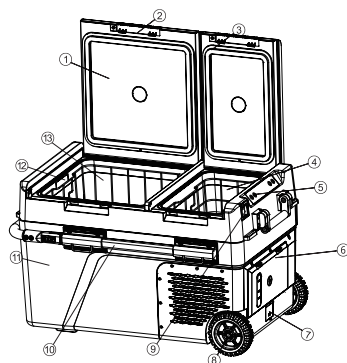


CRD2 60



4.3 Product Structure

- | | |
|---------------------|-----------------------|
| ① Case Cover | ② Door buckle |
| ③ Door gasket | ④ Small compartment |
| ⑤ Control panel | ⑥ Battery compartment |
| ⑦ Power connector | ⑧ Wheels |
| ⑨ Bottle opener | ⑩ Telescopic Handle |
| ⑪ Cabinet | ⑫ Innerlight |
| ⑬ Large compartment | |

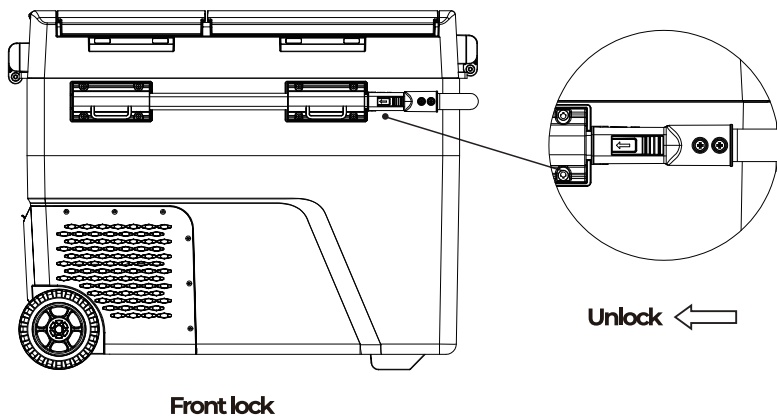
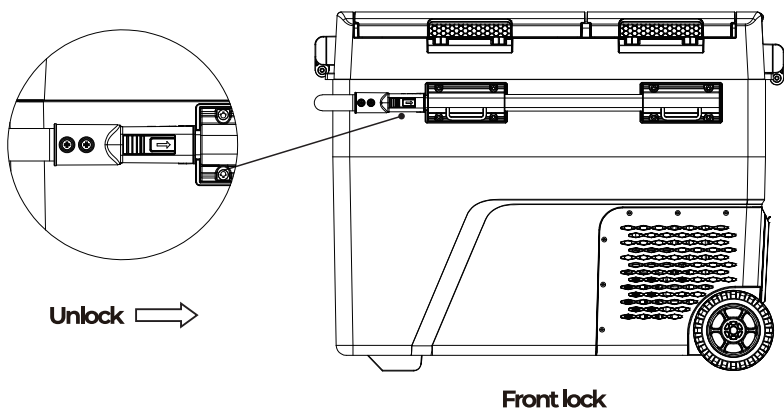


Use the handle

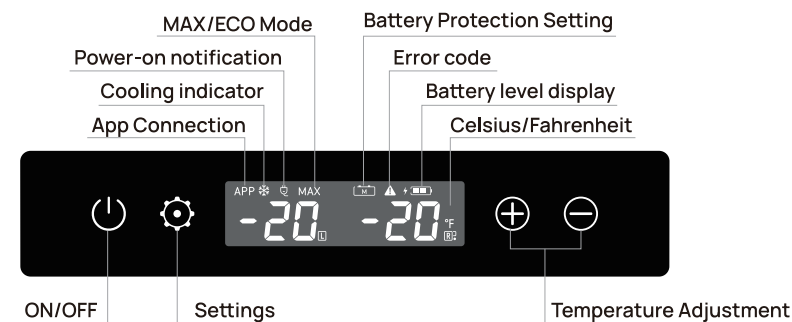
WARNING: when you use handle to move the fridge, please smoothly pull, NOT hastily throw the handle. It's possible to break the handle.

If the ground is not flat, it's better to not use handle to move the fridge.

Unlock the handle and then pullout the handle as below



5. Operation Instructions



5.1 Power On/Off Button:

In the off state, press and hold the  button for 1 second to turn on; in the on state, press and hold the  button for 1 second to power off.

5.2 Setting Button:

In the on state, short-press the  button to switch between MAX and ECO modes of the compressor.

MAX Mode: The compressor runs at a high speed, cooling quickly but consuming more power.

ECO Mode: The compressor runs at a low speed, cooling slowly but saving energy.

5.3 Temperature Setting:

The  and  buttons are used for temperature adjustment, with a range from -20°C ~20°C / -4°F ~68°F.

Short-press the  button, the set temperature digits will flash, each press increases by 1°C/°F, holding down increases rapidly.

Short-press the  button, the set temperature digits will flash, each press decreases by 1°C/°F, holding down decreases rapidly.

After 3 seconds without operation, the system memorizes the set temperature, the digits stop flashing and display the actual temperature inside the box.

5.4 Set Left and Right Compartment Temperatures:

Press the  and  keys to make the left compartment temperature flash. At this time, you can set the temperature of the left compartment.

If you need to set the temperature of the right compartment, press the  key once briefly to switch the display to flashing right compartment temperature. Then you can adjust the temperature for the right compartment.

5.5 Switching Temperature Units:

In the on state, press and hold both the  and  buttons for 3 seconds to cycle through  and  units.

5.6 Factory Reset:

In the on state, press and hold both the  and  buttons for 3 seconds to restore factory settings.

Default temperature: 0°C / 32°F;

Default compressor speed: MAX mode;

Default battery protection level: Medium (M).

5.7 Automatic Screen Dimming:

If no keys are pressed for 3 minutes in the on state, the display will automatically dim; pressing any key restores brightness.

Short-press the  button to immediately dim the screen, pressing any key restores brightness.

6. Car Battery Protection(H/M/L) Voltage Reference

Built-in ECO electronic control module can automatically monitor car battery voltage. Refrigerator will be automatically cut off when the power is excessively consumed, So that protecting the battery consumption from too low to affect auto ignition.

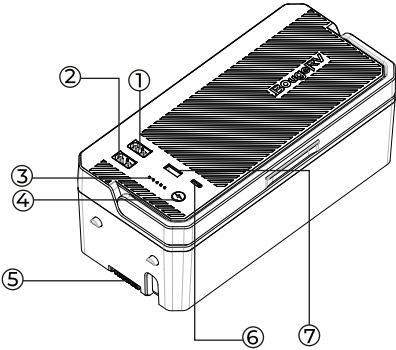
When set to "High", the battery monitor will provide maximum protection for the battery running the refrigerator against excessive/full discharge.

When set to "Low", the battery monitor will allow the refrigerator to use more of the battery energy.

Input Mode	DC 12V		DC 24V	
	Compressor Off	Compressor On	Compressor Off	Compressor On
L(Low)	9.6V	10.9V	21.3V	22.7V
M(Medium)	10.1V	11.4V	22.3V	23.7V
H(High)	11.1V	12.4V	24.3V	25.7V

The refrigerator is **factory-set to M (Medium)** mode for optimal battery protection and performance. Mode adjustment can only be performed through the dedicated **BougeRV app**

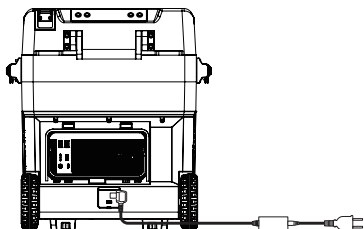
7. Optional Accessory: Battery Operation



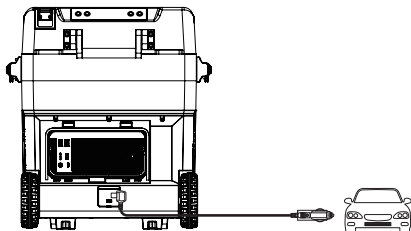
- ① XT-60 Input
- ② XT-60i Input
- ③ Battery Indicator Light
- ④ Battery Check Button
- ⑤ POGO PIN / Spring-Loaded Pin
- ⑥ USB-A Output
- ⑦ Type-C Input/Output

Cell Capacity	15000mAh 16V/240Wh
XT-60 Input	11-32V $\Rightarrow$ 10A(150W Max)
XT-60i Output	13V/10A(130W Max)
Type-C Input/Output	5V $\Rightarrow$ 3A,9V $\Rightarrow$ 3A,12V 3A, 15V $\Rightarrow$ 3A,20V 5A (100W Max)
USB-A Output	5V $\Rightarrow$ 3A,9V $\Rightarrow$ 2A, 12V $\Rightarrow$ 1.5A(18W Max)
Discharge Temperature	-20°C - 40°C / -4°F - 104°F
Charging Temperature	0°C - 40°C / 32°F - 104°F

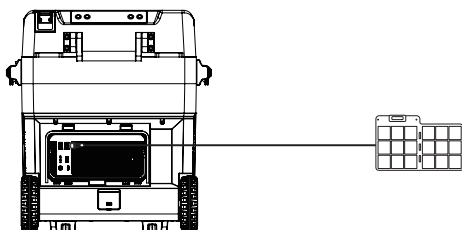
Via the refrigerator AC adapter (90W Max)



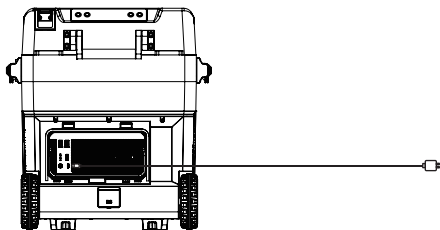
Via the car charger for the fridge (90W Max)



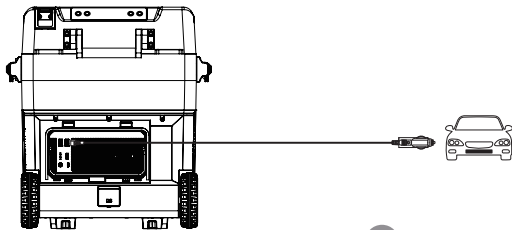
PV charging (11V-32V/10A, 150W Max)



Type-C charging (100W Max)



Car charging via XT60i (100W Max)



8.Troubleshooting and Error Code Problems

If an abnormal situation cannot be resolved through the guidance, please contact professional customer service for assistance.

If you bought it from Amazon, please contact service@bougeRV.com.

If you bought it from BougeRV Website, please contact support@bougeRV.com.

NOTE:

To better address the issue, it will be better to attach more details as follows in your email.

- 1.The order number (it is necessary).
- 2.If possible, pictures or video to show the problem.
- 3.Which power cord is used to connect the fridge and what is the power supply.
- 4.If there is an error code display on the digital panel.
- 5.Your shipping address and phone number for replacement.

Troubles	Causes and solutions
Car Refrigerator Does Not Work	·Check if the power is connected properly. (- check If the plug is loosened or positive and negative poles are reversed). ·Check if the power switch on the operation panel is turned on. ·Check if the cooling ventilation is normal. ·Check if the fuse is blown.
Poor Cooling Performance	·Check if the lid is closed properly - Check if the door seal is damaged or deformed. ·Check if there is poor ventilation around the fridges ·Check if the temperature is set properly
Abnormal Noise	·Refrigerator is not put on a flat level surface. ·Check for vibrations in surrounding objects. ·Parts in the refrigerator get loose or fall off.
Refrigerator Condensation	·It is normal that there slightly will be some condensation on the refrigerator surface when air humidity is more than 75%.

Definition Of Error Codes On The Display

Error Code	Error Type	Solutions
E1	Battery Protection Shutdown	Supply voltage outside operating range.
E2	Fan Over-Current Protection	Fan current exceeds rated value.
E3	Compressor Start-up Failure	Excessive start-up load prevents normal operation.
E4	Compressor Speed Fault	Compressor speed insufficient to maintain load.
E5	Controller Overheating Protection	Internal controller temperature exceeds limit.
E6	Controller Hardware Fault	Control board malfunction detected.
E7	Temperature Sensor Short Circuit	Short circuit in temperature sensing circuit.
E8	Temperature Sensor Open Circuit	Break in temperature sensing circuit.
E9	Battery Communication Error	Communication failure between battery and device.

Cleaning and Maintenance

■ Cleaning

- Unplug the device first to avoid electric shock.
- Use a wet cloth to clean the device and dry it.
- Do not soak the device in water and do not wash it directly.
- Never use abrasive products, detergents, or soaps to clean the device as these can damage the device.

■ Storage

If the device will not be in use for a long time, please store it properly.

- Turn off the power and remove the plug.
- Remove all the items stored in the device.
- Wipe off excess water from the device with a soft rag. Always make sure the inside of the device is dry before you store it.
- Place the device in a cool and dry place.
- Leave the lid slightly open to prevent odors from forming.

■ Defrosting

Frost may form inside the cooling device or on the evaporator, and this can reduce the cooling capacity. Defrost the device promptly to avoid this.

- Disconnect the power supply of the device
- Take out all the items.
- Keep the lid open.
- Wipe off the defrosted water



DO NOT use hard, sharp, or pointed objects to remove the frost or use them to help you remove the frozen items. This may cause irreparable damage to the cooling system.

10.Warranty

Warranty

BougeRV Portable Car Refrigerators are covered by a 2-year warranty starting from the date of purchase on the BougeRV Amazon store or the BougeRV official website, with the following exceptions:

- Man-made damage.
- Damage caused by force majeure such as earthquake, conflagration, etc.
- Damage caused by improper use or violation of this instruction.
- Damage or malfunction caused by disassembly.

✓ 24-month Limited Warranty

🔧 Lifetime Technical Support

Customer Service

If you encounter any difficulties in using the product or have any questions about it, please feel free to contact us via:

Visit **support.bougeerv.com** for maintenance recommendations and the full Use & Care Guide.

📞 **+1 408 656 8402 (US)**
9AM-6PM(CST) Monday-Friday, Closed on federal holiday

■ **BougeRV Amazon:**

✉ service@bougeerv.com

■ **BougeRV Website:**

✉ support@bougeerv.com

VIP Service&Extra 1-year Warranty

- 1.Search "QR Code"on your FB
- 2.Scan the QR Code beside.
- 3.Join "Bougeerv Outdoor Appliance".
- 4.Then you become a VIP and get a 3-year warranty.



11.Specification

Model	CRD2 40 (43QT)	CRD2 50(52QT)	CRD2 60(61QT)
Rated Voltage	DC:12V/24V		
	AC:100~240V		
Rated Power Input	60W		
Capacity	43QT= 40L	52QT= 49L	61QT= 57L
Noise Level	≤45 dB		
Climate Class	T / ST / N		
Temperature Range	-20℃ to+20℃(-4°F to 68°F)		
Refrigerant	R600a		

*Due to product improvement,the technical information might be different from the actual information,please refer to the rating label on the product.

■ Disposal

Place the packaging material in the appropriate recycling waste bins wherever possible.



If you wish to permanently dispose of the product,consult your local recycling center or specialty distributor for details on how to dispose of it in accordance with applicable disposal regulations.

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