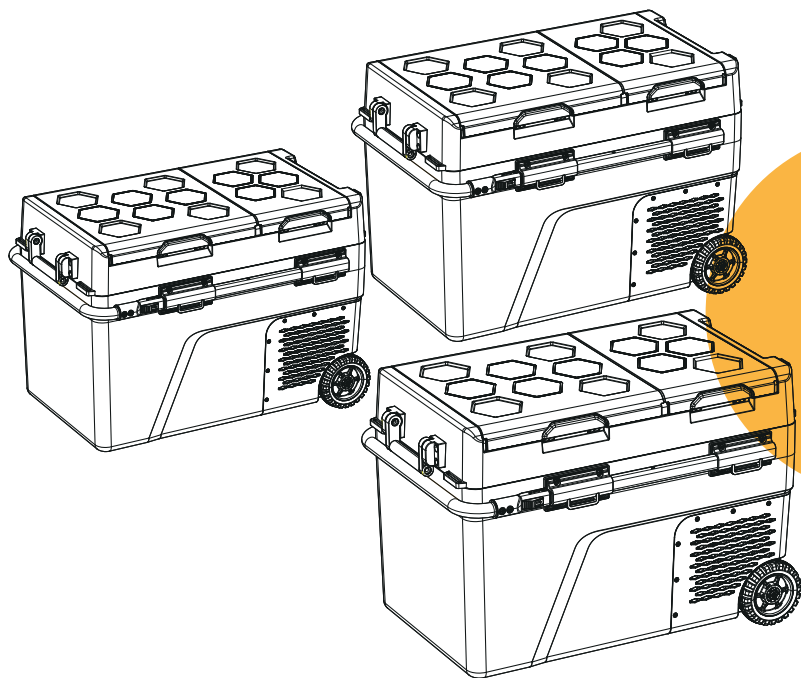


BougeRV

USER MANUAL

FOR 43/52/61 QUART PORTABLE REFRIGERATOR



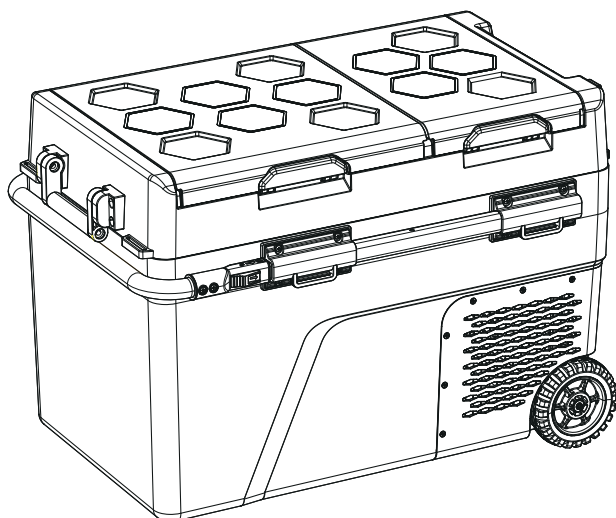
**MODEL CRD2 40 / CRD2 50 / CRD2 60
(43QT/52QT/61QT)**

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1.Package Contents

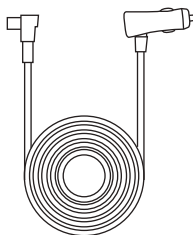
Portable Refrigerator



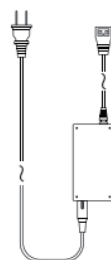
User Manual



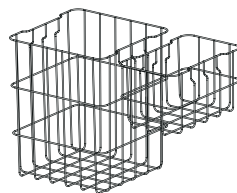
12/24V DC
Power Cord



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 $\geq$ 7.9 in,side space $\geq$ 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.

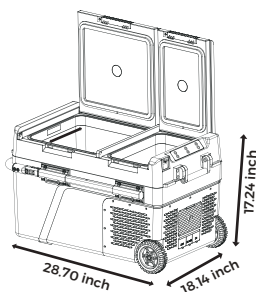
3-Level Battery Protection Function : the battery monitor will shut off the fridge/freezer as soon as the supply voltage falls below the set level.

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

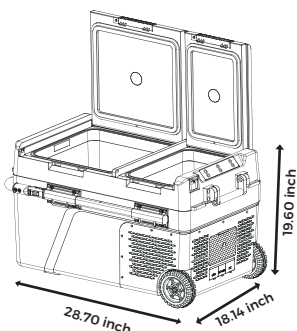
Power-Off Memory Function : When the fridge is turned on again after a power failure, the settings will remain the same as the last time it was set.

4.2 Product Size

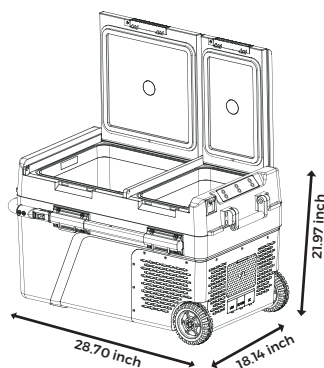
CRD240



CRD250

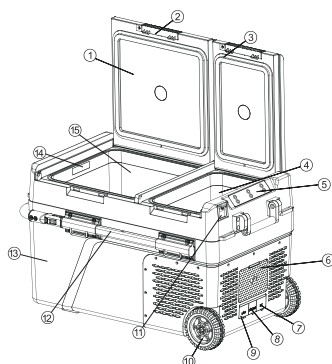


CRD260



4.3 Product Structure

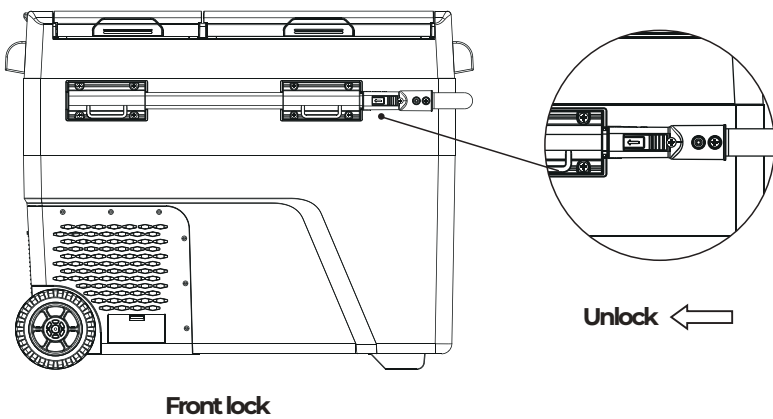
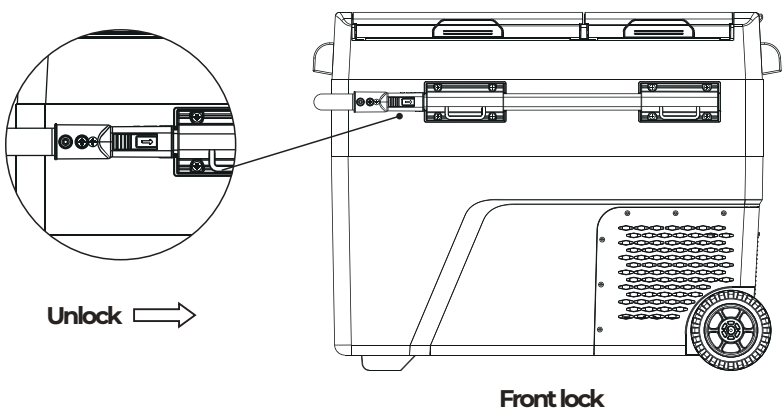
- | | |
|---------------------|----------------------------|
| ① Case Cover | ② Door buckle |
| ③ Door gasket | ④ Small compartment |
| ⑤ Control panel | ⑥ Battery compartment |
| ⑦ Power connector | ⑧ Solar charging(optional) |
| ⑨ USB | ⑩ Wheels |
| ⑪ Bottle opener | ⑫ Telescopic Handle |
| ⑬ Cabinet | ⑭ Innerlight |
| ⑮ Large compartment | |



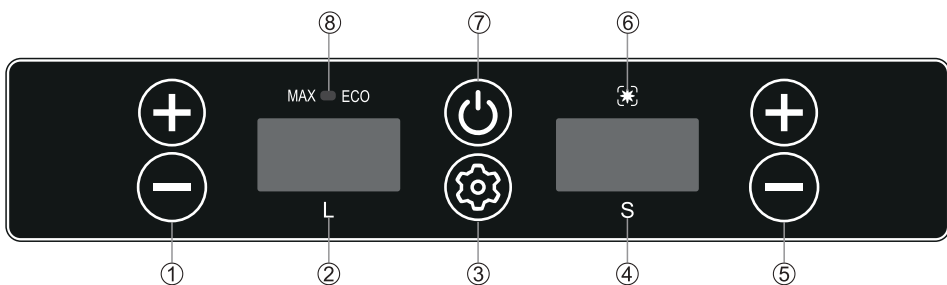
Use the handle

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



4.4 Panel Instruction



- ① Setting for large compartment
- ② large compartment
- ③ Setting button
- ④ Small compartment
- ⑤ Setting for small compartment
- ⑥ Cooling indicator
- ⑦ ON/OFF button
- ⑧ MAX/ECOnt

5.Operation Instruction

5.1

Turn On/Off

Press  Okey to turn on/standby the refrigerator.

5.2

Set temperature

① Switch on the fridge, press  to rise setting temperature and  to reduce the setting temperature of storage compartment.

Setting temperature of two compartments ranges from -20°C(-4°F)→20°C(68°F).

② The temperature display will flash 3 seconds and then fix the setting after adjusting temperature and no more action on buttons. The setting temperature will be memorized and the display will turn back to show real temperature of storage compartment.

5.3

MAX/ECO Mode Conversion

Directly press  key to switch MAX mode or ECO mode. Max mode (white light) or ECO mode (green light)

5.4

Set car battery protect level

Car Battery Protection Voltage Reference

Built-in ECO electronic control module can automatically monitor car battery voltage.

5.5

Celsius(°C)/Fahrenheit(°F)Conversion

Change temperature unit between °C and °F by press  and  of large compartment for 3 seconds after switch on the fridge.

5.6

Power-off Memory Function

There is a power-off memory function for the car refrigerators. When the power is lose, working state(On/Off status, working mode etc.) which before power-off can be automatically recovered at the next startup, no need to set it again.

ECO : Energy-saving cooling

MAX : Powerful cooling

5.7

Turn on/off the large and small compartment

Long pressing the power and the ⊕ button of the small compartment at the same time to turn on/off it.If "----" is displayed,it means off.If the temperature is displayed,it means on.

Long pressing the power and the ⊕ button of the large compartment at the same time to turn on/off it.If "----" is displayed,it means off.If the temperature is displayed,it means on.

NOTEIt is recommended to use the large zone as a fridge(for fresh food)and the small zone as a freezer(for frozen food).

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

Voltage	H1(High)level	N2(Medium)level	L3(Low)level
12V	11.3V OFF;12.5V ON	10.1V OFF;11.4V ON	8.5V OFF;9.6V ON
24V	24.6V OFF;26V ON	22.3V OFF;23.7V ON	21.3V OFF;22.7V ON

NOTE : when the refrigerator is on work,"OFF"or"ON"is the stop or start of the compressor.

Battery Protection Levels: H1(High)→N2(Medium)→L3(Low)

Press ⊕ key for 3s to enter the battery protection setting.Press ⊕ key again to switch H1→N2→L3 levels in turns.

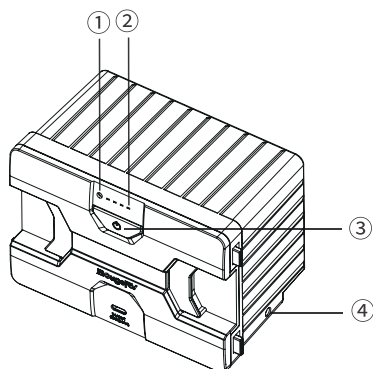
If no operations were detected,the set level will flash for 3s,then exit and save the current setting.

7.Optional Accessory:Detachable Battery



Note:the package does not include the battery.If you are interested, please search "BougeRV battery"on BougeRV Online Store or bougerv.com.

- **Battery ON/OFF:** Long press the power button of the battery to turn it on/off,and short press to display the current battery.



Model: PST7301

Capacity:15600mAh/173Wh

Rated Voltage:11.1V

Charging Limited Voltage(DC):12.6V

Charging Limited Current(DC):3A

① Power Indicator (Green:charging;Blue:discharging)

② Battery Indicator (show current battery)

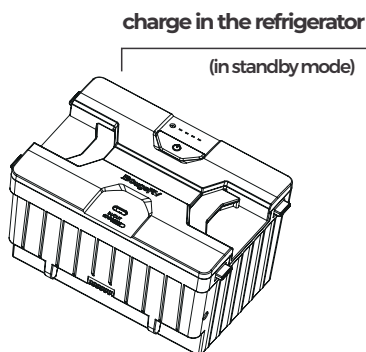
③ Power Button

④ DC Charging Port



Warning: do not disassemble the battery!

- **Battery charging (for reference only):**



Wall outlet AC 100~240V

(using the dedicated adapter)

(Charging time=8h)

Car cigarette lighter

DC12/24V

(When the input voltage > 13.5V,
charging time=8h)



Solar
12~50V

(Connect to the "SOLAR" port of the refrigerator)
(When using 100W solar panel,
charging time=5h)

* Due to different production batches,you may receive a battery with or without a Type-C connector.

- **Battery Saving** : It is recommended to fully charge the refrigerator before your departure, and you can put your food & beverages in the refrigerator in advance so that the battery can last longer. Unplug the battery or turn it off to prevent self-discharge when not in use.
*If the refrigerator won't be in use for a long time, fully charge the battery and turn it off
- **Discharging time(for reference only)** : In the low battery protection mode, the battery can last about 4 hours after being fully charged. When the temperature of the refrigerator is set between 2~8 °C (ambient temperature 25°C), it can last 10 hours after the internal temperature stabilizes. Remove or switch off the battery to prevent self-discharge when not in use.

Discharge time(ECO and L mode)	
Refrigeration	About 10 hrs
Freezing	About 4 hrs

· Instruction for solar charging

Insert the solar charge cable into the refrigerator's "SOLAR" terminal.

MAX Solar Input Voltage: 50V; MAX Solar Input Current: 10A.

When connecting to a solar panel, please place the refrigerator in a cool place to dissipate heat. The battery icon on the refrigerator display will show the charging status when the battery is charging.

The charging input power should be higher than the working power of the refrigerator (about 40~45W), or turn off the refrigerator to enter the standby state, otherwise the battery will not be able to charge. It is recommended to use 100W solar panel.

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@bouger.com.

If you bought it from BougeRV Website, please contact support@bouger.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%.

The definition of the error code on the display

Error Code	Error Type S	olutions
E1	Low Input Voltage	·Failure 1:Insert refrigerator power cord into cigarette lighter before the car starts. Solution 1:Wait for a while to connect the car after it started. Failure 2:Input voltage of the adapter is too low. Solution 2:Adjust the battery protection evel to middle-voltage or low-voltage.If it doesn't work,please replace a new adapter
E2	Fan Fault	·Please replace a new fan when identify there is a fan malfunction.
E3	Input Voltage Fault due to compressor starts frequently	·When the refrigerator is used in car and E3appearing ①Please shutdown for 5minutes and restart it. ②If it doesn't work,that can be identified to be E1 fault,please solve it according to the solution of E1.
E4	Low Rotational Speed of Compressor	·When the refrigerator is connecting with adapter and E3 appearing ①Please adjust battery protection level to the middle level or low level. ②If it doesn't work,please replace a new adapter.
E5	Overheating of Controller Chip	·Please adjust input voltage and repower it
E6	Open or Short Circuit of NTC	·Please power off for 5minutes and check if the overheating is caused by the bad ventilation around compressor.

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.FAQ

Q1:Is there a cover for this refrigerator?

A1:Yes,there is.You could search for bougerv 23/30 quart fridge cover on Amazon.

Q2:Does it come with a battery installed?

A2:No,this refrigerator does not come with a battery.Our batteries are sold separately.

Q3:Will it work standing on end?

A3:No,please do not run it on its side.This refrigerator contains refrigerant.If it runs on the side,the cooling efficiency will be affected and may cause malfunctions.

Q4:Can the fridge be used to sit on for extra seating?

A4:We do not recommend doing this.Because the perimeter of the refrigerator is filled with foam(for heat retention)rather than solid plastic,prolonged exposure to weight may deform it.

Q5:What's the outside temperature range this can be safely used?

A5:Temperature range:50°F~122°F.

Q6:Does the fridge have to be plugged in for use?

A6:Yes,it has to be plugged.

Q7:If the power is temporarily interrupted,will the unit automatically resume work when the power is restored(if nobody is there to turn it back on)?

A7:Yes,it will.This refrigerator has a power-off memory function,which means when the power is restored,the freezer will return to its previous working state.

Q8:Does the temperature fluctuate a lot?

A8:Not much,within the range of industry standards.The working mode of the refrigerator is cyclic work,that is,after it reaches the set temperature,it stops working for about 10 minutes, and the temperature rises by about 3-5 ℃.Then,the refrigerator will work again for about 15 minutes and the temperature will drop to the set temperature again

Q9:How long can it continuously be run safely?

A9:As long as the power supply is maintained,our portable refrigerators can work 24 hours/day just like home refrigerators.

Q10:Is it normal for the refrigerator to have condensation water?Why?

A10:Yes,it is normal.Because when the air humidity is greater than 75%,there may be slight condensation on the surface of the refrigerator;the higher the humidity,the higher the probability of occurrence,which is a normal phenomenon.

Q11:Will it keep ice cream frozen?

A11:Yes.By setting the temperature below 0 ℉,you can keep the ice cream frozen..

Q12:Can I make ice with ice cube trays?

A12:Yes.The internal temperature of this portable refrigerator is adjustable from -4 ℉ to 68 ℉. You can get ice cubes by setting the temperature below 32 ℉.

Q13:Can I get a replacement if my accessory is missing/broken?

A13:Sure,we provide a 2-year warranty from the date of purchase.

11.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:

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

■ **BougeRV Amazon:**

✉️ service@bougerv.com

■ **BougeRV Website:**

✉️ support@bougerv.com

VIP Service&Extra 1-year Warranty

- 1.Search "QR Code"on your FB
- 2.Scan the QR Code beside.
- 3.Join "BougeRV Car Refrigerator Club".
- 4.Then you become a VIP and get a 3-year warranty.



12.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°C to+20°C(-4°F to 68°F)		
Refrigerant	US/JP:R134a DE/UK: 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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