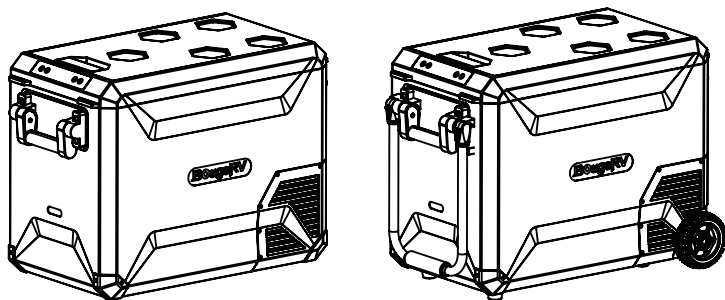


USER MANUAL

For Portable Refrigerator



Model: CRAS05001 / CRAS05001W

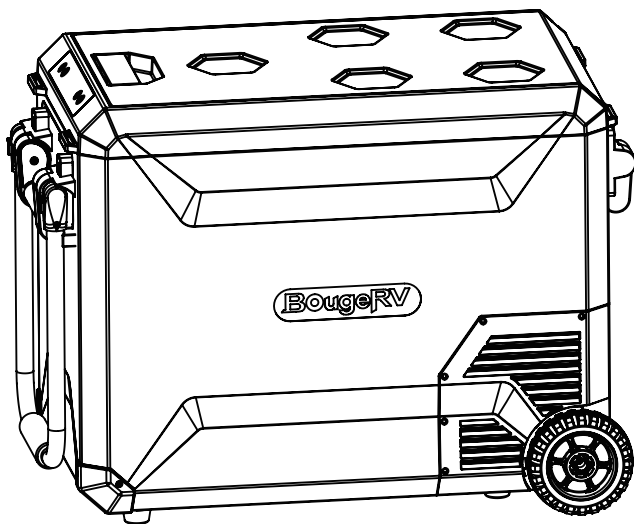
Capacity: 47L(50QT)

Please read this manual carefully before use and keep it properly for further reference.

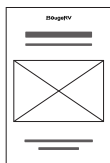
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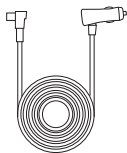
1 Package Contents



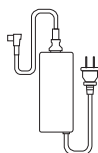
Portable Refrigerator



User
Manual



2.5m 12/24V
DC Power Cord



100-240V AC
Power Adapter

2 Safety Instructions



WARNING! Failure to obey these warnings could result in the malfunction of your device and possible injury to yourself and other users.

- Do not operate the device if it is visibly damaged.
- Do not block the gaps of the device with small items like pins, wires, etc.
- Do not expose the device to rain or soak it in water.
- Do not place the device near naked flames or other heat sources (heaters, direct sunlight, gas ovens etc.)
- Do not store explosive substances like spray cans with flammable propellants in the device.
- Before starting the device, ensure that the power supply line and the plug are dry.
- Check if the voltage specification on the nameplate matches the power supply voltage specification.
- Before starting the device, it must be left horizontal for more than 12 hours.
- Make sure that the device stays horizontal when it is running. The tilt angle must be less than 5° for a long time running and less than 45° for short time running.
- The refrigerator must be well-ventilated for heat dissipation and make sure to keep some space around it (Back Space 200mm, Side Space 100mm).
- The device may only be repaired by Qualified personnel. Improper repairs can 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!

- The device can be used by children aged eight years and over, as well as by persons with reduced physical, sensory, or mental abilities or lack of experience and knowledge. However, they must be supervised during use or they must have been adequately taught how to use the fridge safely and have been made aware of the risks involved before using it.
- Children must be supervised to ensure that they do not play with the device.
- Disconnect the device or switch it off when you turn off the engine. Otherwise, you may discharge the battery.



CAUTION!

- Food is suggested to be stored in its original packaging or in suitable containers.
- Set a suitable temperature for food stored in the device. Refer to the recommended temperature for common food on Page 7.

3 Preparing Before Use

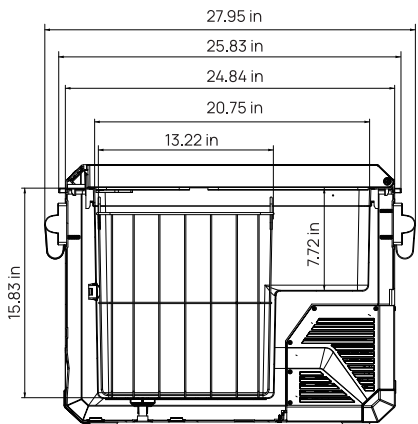
1. Unpackage and take out the accessories, and let the refrigerator stand for 12 hours.
2. Before using it for the first time, clean the inside and outside of the car refrigerator with a damp cloth and wait until it gets dry.
3. Place your refrigerator in a proper position which depends on your use scenario (car, truck, RV, camper, Van, Jeep, SUV, boat, home, etc.)
4. According to your use scenario, please choose the right power cord (AC cord or DC cord) for the right power supply. Please read the next part carefully for the details.

4 Product Introduction

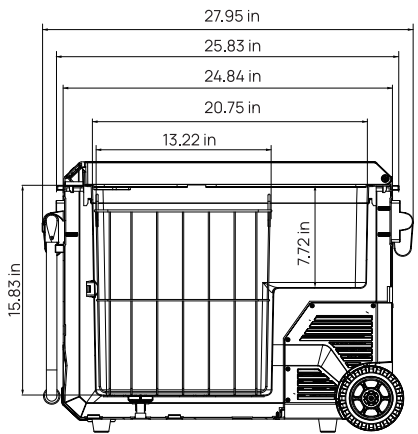
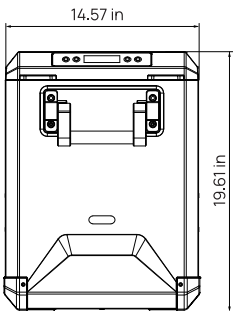
4.1 Product Features

1. Multiple Application Scenarios: You can use the refrigerator on various vehicles such as Suv, Truck, RV, Camper, Jeep, Van, Boat, etc. You can take it with you, during camping, tailgating, road trips, outdoor travels, offroad, and even at home.
2. 3 Level battery protection mode: The battery monitor will turn off the refrigerator as soon as the supply voltage falls below the set level.
3. 45dB Low Noise: The refrigerator is designed to low noise to make sure you a good sleep after a long drive.

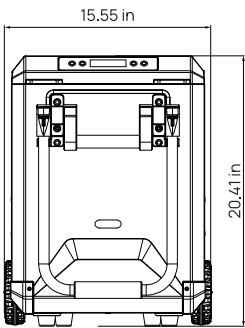
4.2 Product Size



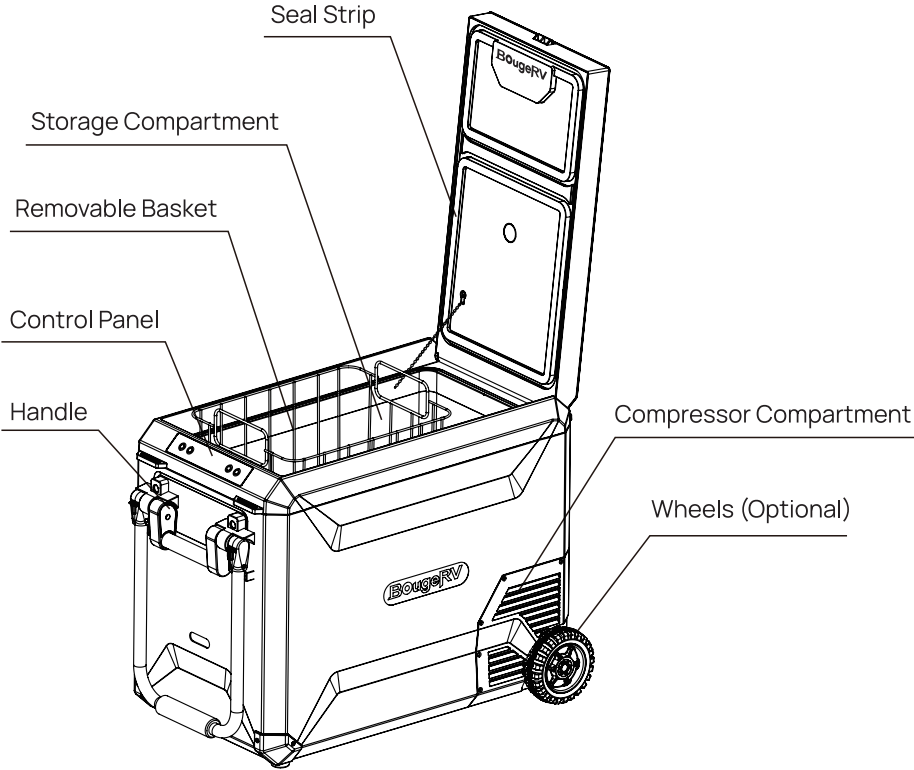
CRAS05001



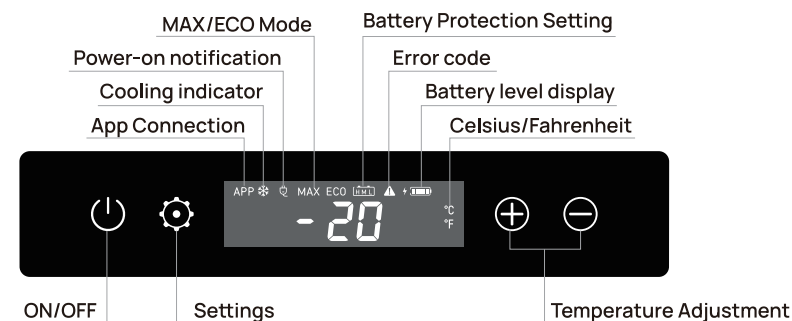
CRAS05001W



4.3 Product Structure



5 Operation Instruction



5.1 Power On/Off Button:

Long press and hold  to turn on/off the portable refrigerator. In the on state, the  indicates the compressor is on, and the refrigerator starts cooling.

5.2 Setting Button:

In the on state, 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: Energy Saving Mode, 45 watt.

MAX: Fasting Cooling Mode, 60 watt.

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 Switching Temperature Units:

In the on state, press and hold both the $\oplus$ and $\ominus$ buttons for 3 seconds to cycle through $^{\circ}\text{C}$ and $^{\circ}\text{F}$ units.

5.5 Battery Protection Setting H $\rightarrow$ M $\rightarrow$ L (HIGH $\rightarrow$ MEDIUM $\rightarrow$ LOW):

Please set the protection level in the APP.

It is suggested to set a MEDIUM level of the fridge when connecting with a car battery.

To set MEDIUM and LOW levels when with a power station or other batteries.
(Factory setting is M)

5.6 Automatic Screen Dimming:

If no keys are pressed for 1 minutes in the on state, the display will automatically dim; pressing any key restores brightness.

5.7 Memory Function

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

Recommended temperature for common food:

				
Meat	Frozen Food	Sea food	Vegetables	Cooked Food
-18°C/0°F	-18°C/0°F	-3°C/26°F	3~10°C/37~50°F	4°C/39°F

				
Water	Canned Drinks	Fruits	Soft Drinks	Alcoholic Drinks
5°C/41°F	5°C/41°F	5~8°C/41~46°F	8~10°C/46~50°F	13°C/55°F

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

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)	8.5V	9.6V	21.3V	22.7V
M(Medium)	10.1V	11.4V	22.3V	23.7V
H(High)	11.3V	12.5V	24.6V	26V

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 Error Code Problems and Troubleshooting

If there is an unusual problem that cannot be resolved through simple fault analysis, please consult professional customer service with your order number for assistance.

Note: In order to resolve the issue, you had better attach more details as follows in your email.

1. The order number.
2. If possible, pictures or videos to show the problem.
3. How do you connect with the fridge? And what is the power source?
4. Is there any error code show on the display?
5. Your shipping address and phone number, for shipping the part 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	Input voltage too low	①Scenario one: the input voltage of the adapter is too low. Solution: Adjust the battery protection level to "Medium" or "Low" level. Wait for 3-5 mins to let the refrigerator reset itself. If the fridge still does not start properly, Please use the AC power cord to run the refrigerator. ②Scenario two: Insert the refrigerator power cord into the car cigar lighter when the car doesn't start. Solution: Connect the refrigerator later after the car starts.
E2	Fan Problem	Please replace a new fan when you confirm the fan malfunction. Contact us and we will send you a new fan for replacement.
E3	Compressor Startup frequently Input voltage fault	①Scenario one: E3 appears when using the fridge in the car. Solution: Shut down the fridge for 5 minutes. If it still does not work after you restart it, then it is an E1 fault, please refer to the E1 troubleshooting and solution. ②Scenario two: E3 appears when using the fridge at home. Solution: Adjust battery protection level to Medium or Low level. If the fridge still does not start properly, Please use the AC power cord to run the refrigerator. If the solution is not helpful, please contact us.
E4	Compressor turbine speed too low	The input voltage needs to be adjusted and reconnect the refrigerator to power. If the solution is not helpful, please contact us.
E5	Controller chip overheating	You need to shut down the fridge for 5 minutes. After that, check whether it is an overheating caused by the blockage around the vent of the compressor.
E6	Controller Hardware Fault (Critical parameter acquisition failed)	Internal controller error. Power cycle the unit (off for 5 minutes, then restart). If the fault reappears, contact after-sales support.
E7/E8	NTC cable disconnecting or in a short circuit	Pry out the display panel and check whether the NTC cable is disconnecting. If the solution is not helpful, please contact us.
E9	Battery malfunction	Please check the error code in the APP and follow the solution steps. If the solution is not helpful, please contact us.

8 Cleaning and Storage

▪ Cleaning

- Unplug the device first to avoid electric shock.
- Use a wet cloth to clean the device and dry it.
- Remove the cover and drain from the hole at the bottom of the device.
- Do not soak the device in water and do not wash it directly.
- Do not use abrasive cleaning agents as these can damage the device.

▪ Storage

If the device will not be in use for a long time, please follow the steps:

- Turn off the power and remove the plug.
- Remove all the items stored in the device.
- Remove the cover and drain from the hole, wipe off excess water with a soft rag.
- Leave the lid slightly open to prevent odors from forming.
- Put the device in a cool and dry place.

▪ Defrosting

Humidity can form frost in the interior of the cooling device or on the evaporator, which will affect the cooling performance. Defrost the device regularly to avoid this.

- Switch off the device.
- Take out the contents of the device.
- Keep the lid open.
- Remove the cover and drain from the hole.
- Wipe off the defrosted water.



Never use hard or sharp tools to remove ice or to loosen objects which have frozen in place.

9 Warranty and Maintenance

Warranty

BougeRV PORTABLE CAR REFRIGERATOR comes with a 2-year warranty that commences from the date of purchase on BougeRV Online Store or BougeRV Official Website, except in the following situations:

- Contrived damage.
- Damage caused by force majeure such as earthquake, conflagration, etc.
- Damage from inappropriate use or violating this instruction.
- Damage or malfunction caused by disassembling.

✔ **24-month limited warranty**

🔧 **Lifetime technical support**

Customer Service

If there is any problem with the operation of the product, please feel free to contact us.

Visit **support.bougeRV.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@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 Outdoor Appliance"
4. You become a VIP and get a 3-year warranty



10 Specification

Model	CRAS05001	CRAS05001W
Rated Voltage	DC12/24V or AC100~240V (using dedicated adapter)	
Rated Power	60W	
Capacity	47L (50QT)	
Noise	≤ 45db	
Temperature Range	-20~+20°C (-4~+68°F)	
Climate Category	T/ST/N	
Dimensions(L*W*H)	27.95*14.57*19.61 inch	27.95*15.55*20.41 inch

*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 want to eventually dispose of the product, ask your local recycling center or specialty distributor for details on how to do so in accordance with the applicable disposal regulations.

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