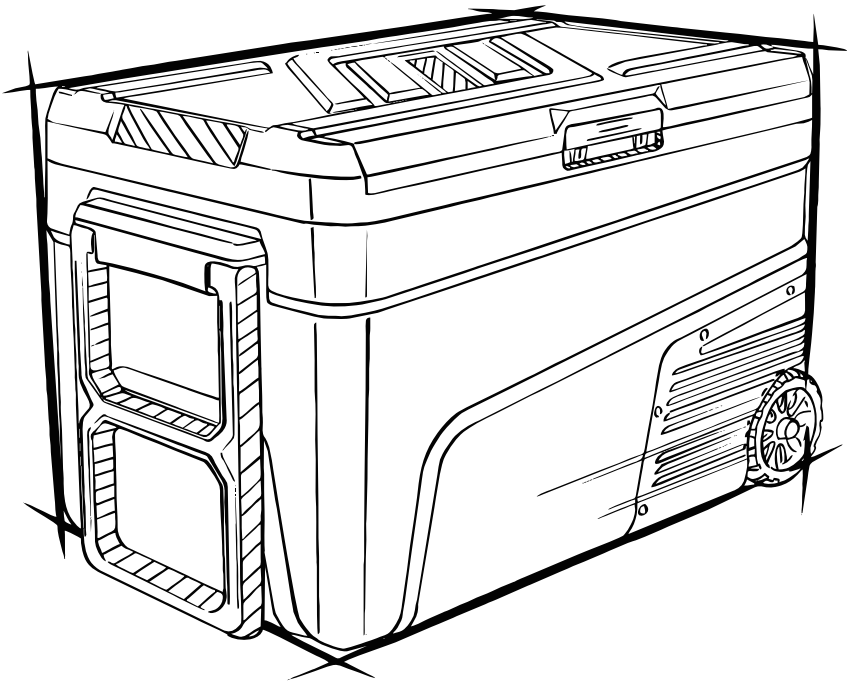


# Car Refrigerator

## Instruction Manual

SKU: CFG-45/CFG-55/CFG-65



# Congratulations

Dear Customer:

Thank you for purchasing one of our products.

Our goal is to provide you with superior service. If there is anything missing from or wrong with your order, or if you have any questions about using our ice maker, PLEASE contact us.

Email: [support@homyd.com](mailto:support@homyd.com)

The team is available 24/7 to address your questions, comments, and concerns. Your satisfaction is our ultimate goal. We want to make everything right so you'll share your positive experience with other shoppers.

**If you experience any problems, please send an email to [support@homyd.com](mailto:support@homyd.com)**

Our mission:

- \* To be the most trusted appliance brand.
- \* To create practical, compact appliances that better your life.

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# | Safety Instructions

## WARNING!

- Do not operate this appliance if it is visibly damaged.
- Do not block any of the openings in the fridge with items such as pins, wires, etc.
- Do not expose the appliance to rain or soak it in water.
- Do not place the appliance near a flame or other heat source (heaters, direct sunlight, gas ovens, etc.)
- Do not store explosives such as spray cans with a flammable propellant.
- Ensure the supply cord is dry and not trapped or damaged. Do not place portable outlets or power supplies at the rear of the appliance.
- Check that the voltage specification on the type plate corresponds to that of the energy supply. The appliance is to be used only with the power supply unit provided with the appliance.
- Do not use electrical appliances in the food storage compartment of the appliance, unless they are of the type recommended by the manufacturer.
- Once unpacked and before turning on, the appliance must be placed on a level surface for more than 6 hours.
- Make sure that the appliance remains horizontal when running. The tilt angle must be less than 5° if running for a long time and less than 45° for a short run time.
- Keep the ventilation openings in the unit's casing or in the built-in structure free of obstacles.
- Keep the appliance stable, on the ground or in the car; Do not drain upside down.
- When positioning the appliance, ensure the supply cord is not trapped or damaged.
- Do not place multiple portable outlets or portable power supplies at the rear of the appliance.
- Risk of child entrapment—before you throw away your old refrigerator or freezer:
  - Remove the doors.
  - Leave the shelves in place so that children may not easily climb inside.
- Do not use mechanical devices or other means to accelerate defrosting, other than those recommended by the manufacturer.
- Risk of fire/ flammable materials.

# | Safety Instructions

## CAUTION!

- Repairs may only be carried out by qualified personnel. Incorrect repair may cause a hazard. The lamp and supply cord must be replaced only by the manufacturer or qualified persons.
  - Installation of DC power in the car must be handled by a qualified electrician.
  - Children must not play with the appliance. Cleaning and user maintenance shall not be performed by children without supervision.
- The appliance can be used by children aged 8 years and above and by persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge if they have received supervision or instruction concerning the safe use of the device and understand the hazards.

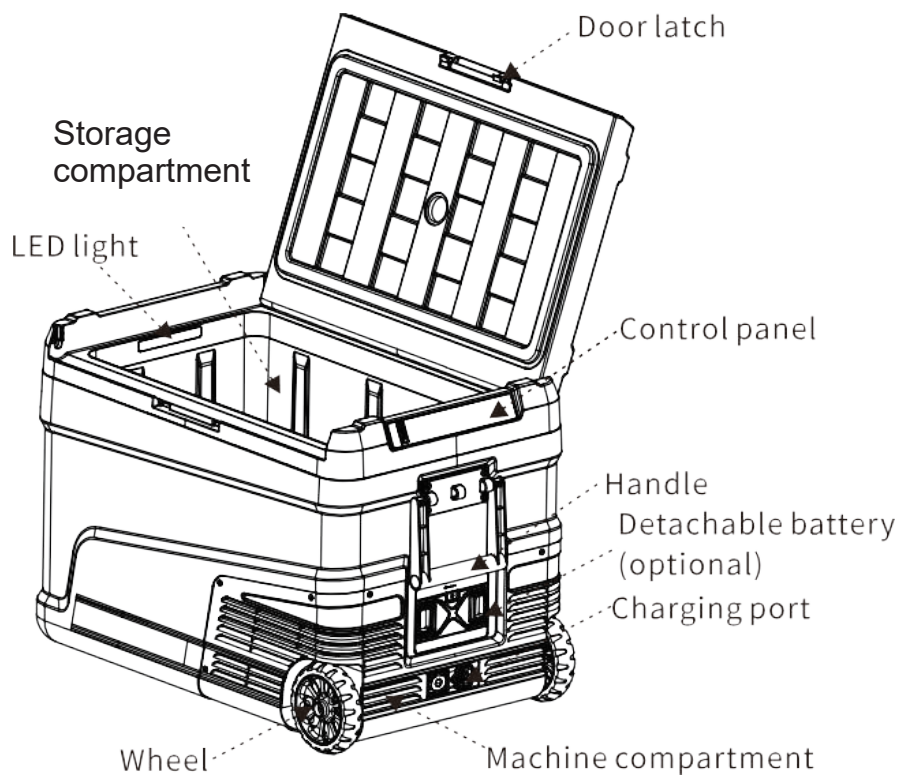
## NOTICE!

- Disconnect the power supply before cleaning and maintenance and after every use.
  - Do not use sharp tools to defrost; do not damage the refrigerant circuit.
  - Risk of child entrapment—before you throw away your old refrigerator or freezer, take off the doors; leave the shelves in place so that children may not easily climb inside.
  - Check if the cooling capacity of the appliance is suitable for storing food or medicine. Food may only be stored in its original packaging or in suitable containers.
  - If the appliance is left empty for a long time, switch it off; defrost, clean, and dry the fridge, and leave the door open to prevent mold from developing inside the appliance.
  - The appliance is intended to be used in household and similar applications such as:
    - Staff kitchen areas in shops, offices, and other work environments;
    - Campsites and farms and by clients in hotels, motels, and other residential environments;
    - Bed and breakfast type environments;
    - Catering and similar non-retail applications.
  - To avoid contamination of food or drinks, please respect the following instructions:
    - Opening the door for long periods can cause a significant increase in the temperature in the compartments of the appliance.
    - Clean regularly surfaces that can come in contact with drink and accessible drainage systems.
    - Store raw meat and fish in suitable containers in the refrigerator, so they are not in contact with or drip onto other food;
- If the refrigerator is left empty for a long time, switch it off; defrost, clean, and dry it, and leave the door open to prevent mold from developing inside the appliance.
- Please adhere to local regulations regarding the disposal of the appliance due to its flammable refrigerant and gas.

# Product Features

- High-efficiency DC compressor and conversion module.
- CFC-free and great heat insulation.
- DC 12/24V or AC 100-240V (using a dedicated adapter) power supply or solar(12-50V) optional.
- Fast cooling to-20°C/-4°F (based on 25°C/77°F room temperature).
- Three-stage battery protection system prevents the vehicle from running out of battery.
- Built-in battery compartment for detachable battery (optional): 15600mAh/11.1V/173Wh.
- LED display for temperature setting, USB charging port: 5V/1A.
- Specific parts: interior LED light, handle, wheel, interior drain plug.

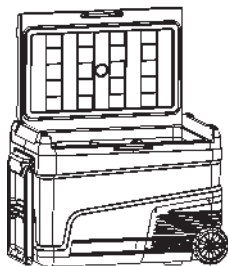
# I Product Structure



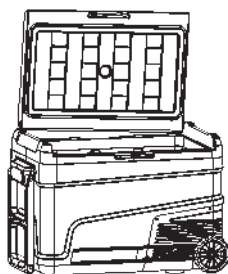
# I Reversing Door Opening Direction

The door opening direction can be changed according to actual needs, please follow the instructions below:

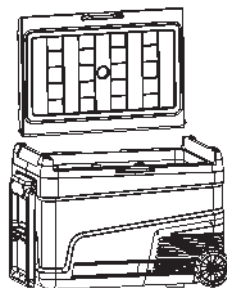
## Door Disassembly:



Open the door at a 90° angle

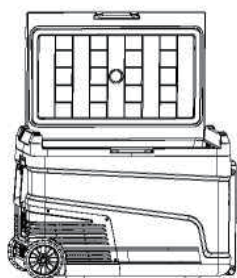


Take off the door from one side

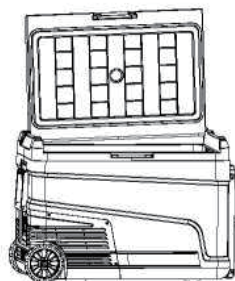


Take off the door from the other side

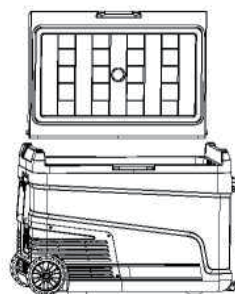
## Door Installation:



Reverse the door opening direction



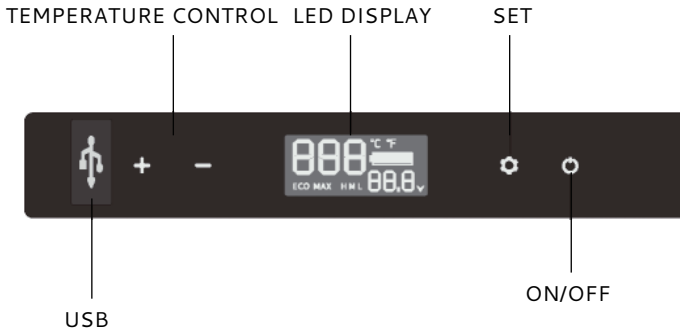
Align the door shaft with the hole on one side and insert it



Fix the door on the other side, installation finished



# I Function And Operation










- **Power supply:** DC 12V/24V or AC 100~240V(using dedicated adapter) or solar(12-50V) optional power supply.
- **Display Screen Initialization:** When the fridge is powered on, the buzzer will emit a long-beep, and the display will be on for two seconds and then enter standby mode.
- **Power ON/OFF:** Press O to switch ON, long-press O for three seconds to switch OFF.
- **Temperature Setting:** Press + or – to set the temperature; the setting will be saved automatically after 3 seconds. Note: the temperature displayed is the current temperature of the compartment. It takes a while to reach the set temperature. Temperature setting range: -20~20°C (-4~68°F).
- **Cooling Mode:** In running mode, press O to select MAX(fast cooling) and ECO (Energy saving Mode).(\*Factory setting is MAX.)
- **Battery Protection Mode:** In running mode, long-press O for three seconds until the screen flashes, then press O again to select protection mode H(High), M(Medium), and L(Low) (\*Factory setting is H.)

## Voltage Reference:

MODE	INPUT	DC 12V		DC 24V	
		CUT OUT	CUT IN	CUT OUT	CUT IN
L		8.5V	10.9V	21.3V	22.7V
M		10.1V	11.4V	22.3V	23.7V
H		11.1V	12.4V	24.3V	25.7V

# I Function And Operation

- **Rechargeable Battery (Optional):** There is a battery case for a detachable battery. If you want to charge the battery, connect the refrigerator to the DC/AC power supply and put the battery in the battery case; the display will show the charging status. It is recommended to turn off the refrigerator if you want to charge the battery quickly. The power supply mainly powers the compressor when the refrigerator is running, which will cause the battery to charge slowly.
- **Recommended temperatures for different foods:**

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

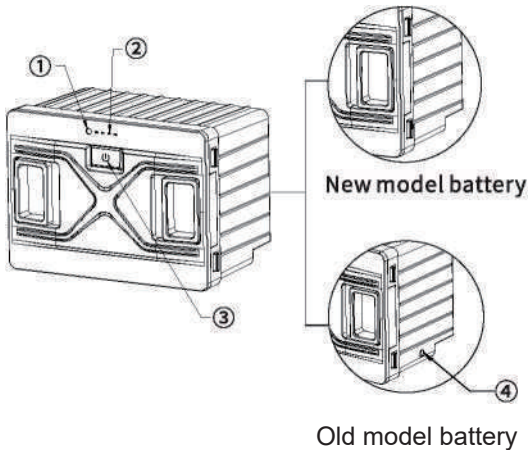
# I Battery Operation (Optional)

**\*Note:** The old battery model has a DC charging port on the side; the new battery model does not have a DC charging port; refer to the instructions below for more details.

It is recommended to use the new model battery.

- **Battery ON/OFF:** long-press the power button on the battery to switch it ON/OFF. When the battery is OFF, short-press the power button to show the battery current.

Model: FSAK-002



Capacity: 15600mAh/173Wh

Rated Voltage: 11.1V

- Power Indicator

(Green: charging; Blue: discharging)

⊙ Battery Indicator (show current battery) ③ Power Button

- DC Charging Port

(old model battery only)

Charging Voltage Limit (DC): 12.6V

Charging Current Limit (DC): 3A

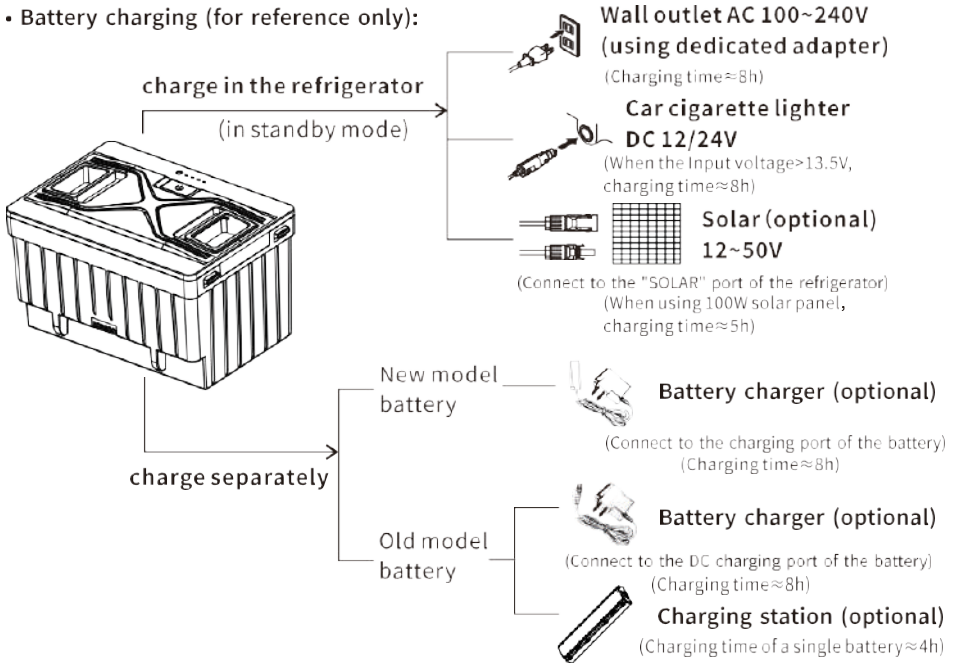
**Warning:**

**do not disassemble the battery!**

**Note:** the battery needs to be purchased separately.

# Battery Operation (Optional)

- Battery charging (for reference only):



**Note:** It is recommended to switch off the refrigerator when charging the battery (the power supply mainly powers the compressor when the refrigerator is running).

When connected to a solar panel, please place the refrigerator in a cool place to dissipate heat. The charging input power should be higher than the working power of the refrigerator (about 40–45W), or switch off the refrigerator; otherwise, the battery will run out. **It is recommended to use a 100W solar panel. MAX Solar Input Voltage: 50V; MAX Solar Input Current: 10A.**

**Note:** The output of a solar panel is unstable, so it cannot power the refrigerator directly.

When using a solar panel, the battery should be installed in the refrigerator.

- **Discharging time (for reference only):** In 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 and 8°C (ambient temperature 25°C), the battery may last 12 hours after the internal temperature stabilizes. Remove or switch off the battery to prevent self-discharge when not in use.

# Care And Maintenance

## ■ Cleaning:

- Switch off and unplug the device first to avoid electric shock.
- Remove the cover and drain the fridge from the hole at the bottom of the device.
- Use a wet cloth to clean the device, then dry it.
- Do not immerse the fridge in water.
- Do not use abrasive cleaning agents during cleaning as these can damage the device.

## ■ Storage:

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

- Switch off and unplug the device.
- Take out all the items stored in the device.
- Wipe off excess water with a soft rag.
- Store the device in a cool and dry place.
- Leave the lid slightly open to prevent odors from forming.
- Recommended storage environment:  
ambient temperature: 25°C, ambient humidity: 75%.

## ■ Defrosting:

Humidity can form frost in the interior of the cooling device or on the evaporator.

This reduces the cooling capacity. Defrost the device regularly to avoid frost formation.

- Switch off and unplug the device first to avoid an electric shock.
- Take out all the items stored in the device.
- Keep the lid open.
- Wipe off the melted frost.

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

# I Troubleshooting

Issues	Cause/Suggestions
Refrigerator does not work	<ul style="list-style-type: none"> <li>• Check if the switch is on.</li> <li>• Check if the plug and socket are connected well.</li> <li>• Check if the fuse has burned.</li> <li>• Check if the power supply is malfunctioning.</li> <li>• Switching the fridge on/off frequently may cause a delayed start of the compressor.</li> </ul>
Refrigerator compartments are too warm	<ul style="list-style-type: none"> <li>• The door is opened frequently.</li> <li>• A large amount of warm or hot food was stored recently.</li> <li>• The refrigerator has been disconnected for a long time.</li> </ul>
Food is frozen	<ul style="list-style-type: none"> <li>• The temperature was set too low.</li> </ul>
There is a "water flow" noise coming from inside the refrigerator	<ul style="list-style-type: none"> <li>• This is a normal phenomenon caused by the flow of refrigerant.</li> </ul>
There are water drops around the refrigerator casing or door gap	<ul style="list-style-type: none"> <li>• This is a normal phenomenon; the moisture will condense to water when it touches a cold surface of the refrigerator.</li> </ul>
The compressor is slightly noisy when starting	<ul style="list-style-type: none"> <li>• This is a normal phenomenon; the noise will be attenuated once the compressor becomes stable.</li> </ul>
Code F1 displayed	<ul style="list-style-type: none"> <li>• Possible cause: low voltage to the fridge. Adjust the battery protection from High to Medium or from Medium to Low.</li> <li>• Possible cause: condenser fan is overloaded.</li> </ul>
Code F2 displayed	<ul style="list-style-type: none"> <li>• Disconnect the power to the fridge for 5 minutes and restart.</li> <li>• If the code still displays, contact the manufacturer for service.</li> <li>• Possible cause: the compressor starts too frequently.</li> </ul>
Code F3 displayed	<ul style="list-style-type: none"> <li>• Disconnect the power to the fridge for 5 minutes and restart.</li> <li>• If the code still displays, contact the manufacturer for service.</li> <li>• Possible cause: compressor not kicking in.</li> </ul>
Code F4 displayed	<ul style="list-style-type: none"> <li>• Disconnect the power to the fridge for 5 minutes and restart.</li> <li>• If the code still displays, contact the manufacturer for service.</li> <li>• Possible cause: overheating of the compressor and electronics.</li> </ul>
Code F5 displayed	<ul style="list-style-type: none"> <li>• Disconnect the power to the fridge for 5 minutes and restart.</li> <li>• If the code still displays, contact the manufacturer for service.</li> <li>• Possible cause: no parameter can be detected by the controller.</li> </ul>
Code F6 displayed	<ul style="list-style-type: none"> <li>• Disconnect the power to the fridge for 5 minutes and restart.</li> <li>• If the code still displays, contact the manufacturer for service.</li> </ul>
Code F7 or F8 displayed	<ul style="list-style-type: none"> <li>• Possible cause: temperature sensor is faulty. Contact the manufacturer for service.</li> </ul>

\*For models with FSAK-002 detachable battery, if code F1 is displayed, unplug or turn off the battery (or connect to DC12/24V/AC100-240V using the adapter) power supply to power the compressor and battery to avoid long-term micro-current draining the battery.

# Warranty

If the device malfunctions, a limited compressor warranty will be provided for 3 years from the date of purchase, 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.

# Technical Information

MODEL	CFG-45	CFG-55	CFG-65
RATED VOLTAGE	DC12/24V or AC100 ~ 240V (using dedicated adapter) or solar (optional)		
RATED POWER	45L/1.59Cu Ft.	54.6L/1.93Cu Ft.	64.2L/2.27Cu Ft.
CAPACITY	<45dB		
NOISE	-20 ~ 20°C (-4 ~ 68°F)		
TEMPERATURE SETTING RANGE	T/ST/N		
DIMENSIONS (L*W*H)	692*416*465mm 27 1/4*16 3/8*18 5/16inch	692*416*531mm 27 1/4*16 3/8*20 15/16inch	692*416*585mm 27 1/4*16 3/8*23 1/16inch
NET WEIGHT	15.3kg/33.7lb (not including battery)	16.5kg/36.4lb (not including battery)	17.7kg/39lb (not including battery)

Due to product improvement, this technical information may be different from the actual information; please refer to the rating label on the product.