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
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# 说明书

## 技术要求

- 1、此页不印刷；
- 2、材质：105g双铜纸；
- 3、尺寸：单页140\*210mm；
- 4、黑白印刷，印刷内容、字体、字体颜色（和文档一致）符合要求；
- 5、线框为裁剪线，不印刷；
- 6、制件符合RoHS要求。

03						物料编码	3.04.999	零件名称	说明书
02						材料	比例	产品型号	CX50
01						105g双铜纸	1:1	版本	佛山市艾凯电器有限公司
序号	更改描述		更改文件号	签名	更改日期	第 页 共 页	版本		
设计	李丽媛	日期	2020-11-16	会签	日期		A版		
审核	黎志豪	日期	2020-11-16	批准	日期				

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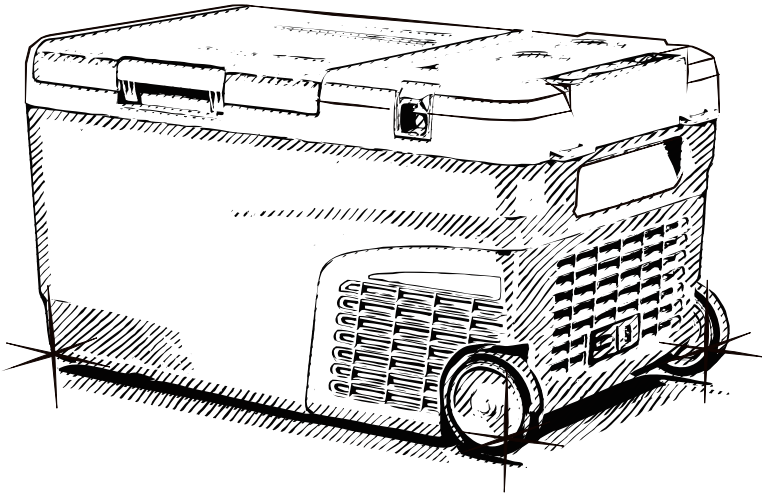
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**25L Fridge / Freezer  
With Dual Battery Compartment  
GH-2028  
User Manual**



## FEATURES

- Dual battery compartment
- Internal LED light
- DC power connection
- AC adapter included
- Digital temperature display with adjustable control
- USB & Type-C charging output ports
- 3-stage low voltage battery protection
- Folding handle and wheels for portability
- Bottle opener
- App control via Bluetooth
- 3 year warranty

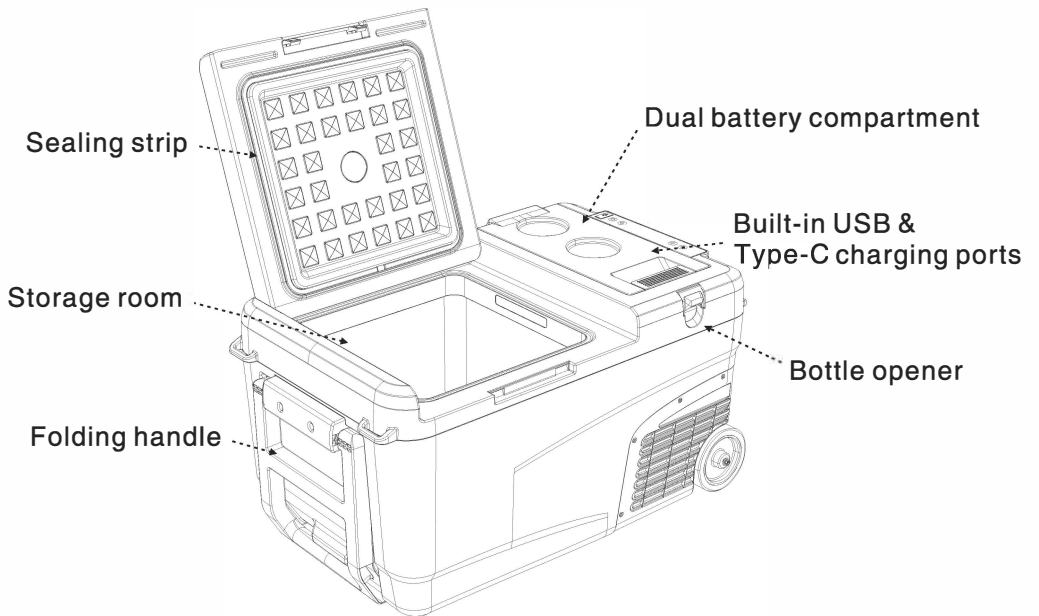
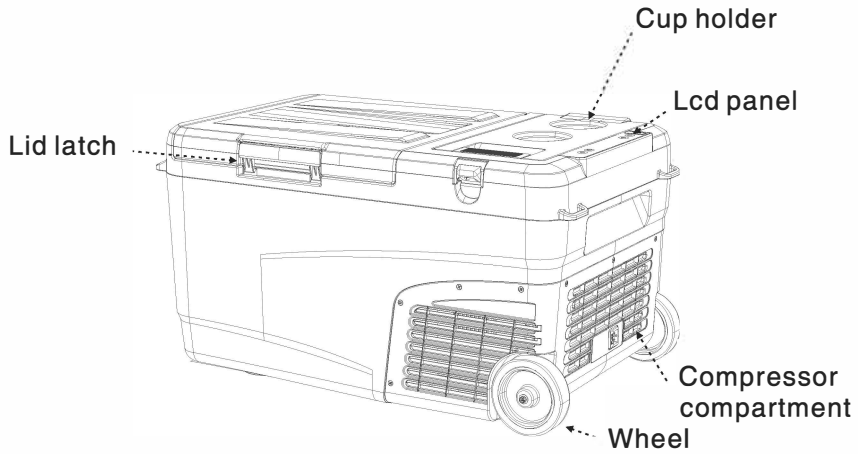
## BOX CONTENTS

- 1 x Portable Fridge/Freezer
- 1 x 12/24V Car Cigarette Power Lead
- 1 x 240VAC to 12VDC power adapter

## SPECIFICATIONS

Input Voltage:	12/24VDC
Average Power Consumption:	60W
Power Consumption:	0.25kw.h/24hr
Rated Current:	5A/ 2.5A
Temperature Range:	-20°C to +20°C (with ambient temperature at 25°C)
Refrigerant:	R134a
Insulation:	100% CFC & HFC free PU Foam insulation
Dimensions (W*H*D):	885*403*432mm
Net Weight:	23.5kg

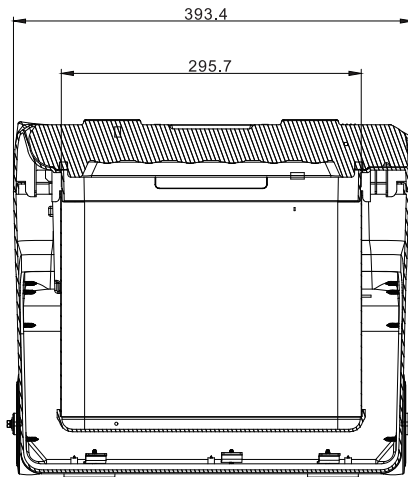
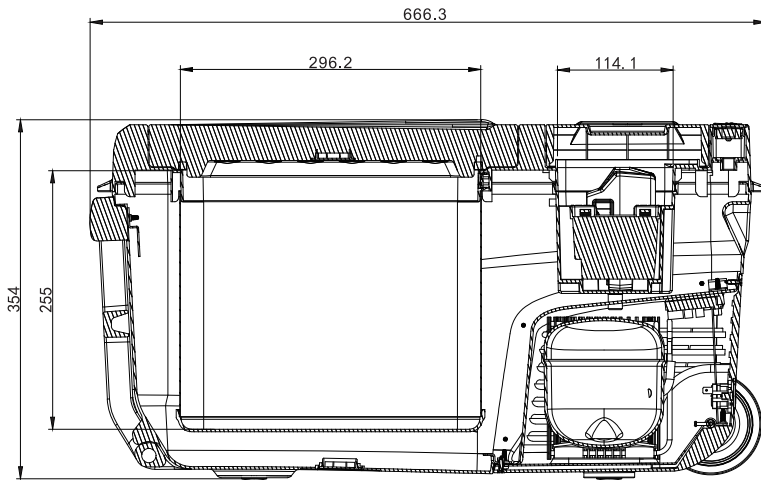
# PRODUCT STRUCTURE



## SAFETY

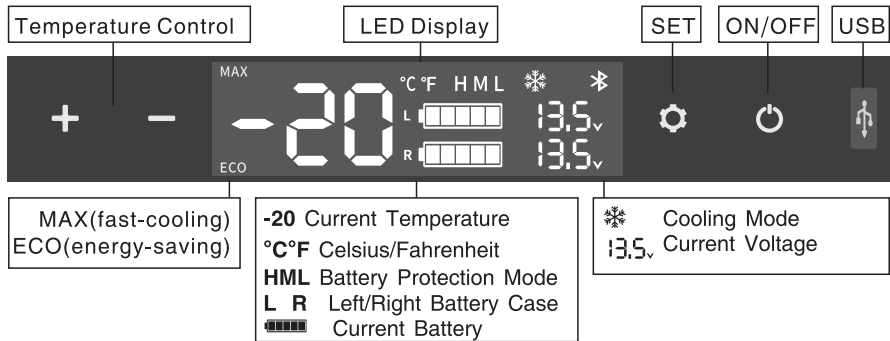
- The installation of DC power sources in a boat must be handled by a qualified electrician
- Make sure to connect power to the suitable voltage socket
- No electrical devices are to be used inside the product
- The product can be powered on only after being unpacked and put on a flat level surface for over 6 hours
- Fridge operating angle:- The fridge can be operated indefinitely at up to 5 degrees, and can be operated at between 6 and 45 degrees for up to 30mins.
- Product must be well ventilated. Ensure there is a minimum of 200mm clearance at the back, and 100mm around the sides
- The product should be in a well-ventilated space, away from heat sources. Try to avoid direct exposure to sunlight
- Keep product stable
- When there is water inside the tank, do not turn the product upside down to empty. Dry the water, do not soak in water
- Do not put metal in the air inlet vent, outlet vent, or gap
- Do not connect to other power except 12V/24VDC, or the 240VAC to 12VDC adapter.
- Do not soak the product in water or wash with water
- The product should not be repaired. If there is any issues please consult the place of purchase
- Turn off the product before cleaning to avoid electric shocks or other issues
- Keep product away from wet or humid places

# DIMENSIONS



**GH-2028**

# OPERATION





- **Power Supply:** connect to DC 12V/24V or AC 100-240V power (using dedicated adapter)
- **Display Screen Initialization:** connect to the power supply, the buzzer will make a long beep, and the display will be on for 2 seconds then enter the standby mode.
- **Power ON/OFF:** press to switch ON/OFF.
- **Cooling Mode:** under the running state, press to switch **MAX**(fast-cooling) or **ECO**(energy saving)mode. \*Factory setting is MAX.
- **Temperature Setting:**press + or - for temperature setting, the setting will be saved automatically after stopping operating for 3 seconds (Note: the temperature displayed is the current temperature of the compartment, it'll take a while to reach the set temperature).Temperature setting range: cooling: -20~20°C (-4~68°F) ;
- **Battery Protection Mode:** under the running state, long press for three seconds until screen flashes, then press 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

\* the voltage is theoretical value, there may be a deviation in different sceneries.

\* H should be set when the product is connected to car power, and M or L should be set when it is connected to a portable battery or other back-up battery.

• **Temperature Unit Setting:** switch off the fridge, long press  for three seconds until E1 displays, then switch to E5 by pressing  again. Under E5 mode, press + or - to select Celsius or Fahrenheit.

(\*Factory setting is °C.)

• **Reset:** switch off the fridge, long press  for three seconds until E1 displays, under E1 mode, long press + - at the same time for three seconds to reset it.

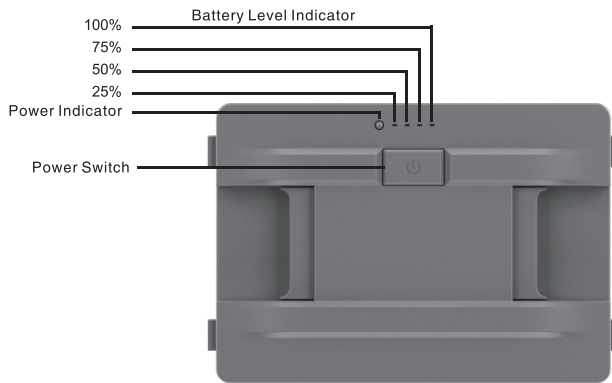
• **Rechargeable Battery (Optional):** there are two battery cases for optional dual detachable batteries or dual tool batteries or detachable battery+tool battery combo. If you want to charge the batteries, connect the refrigerator to DC/AC power supply, and put the batteries into the


battery cases, the display will show the charging status. It is suggested to switch off the refrigerator if you charge the batteries quickly, as the power supply will mainly power the compressor when the refrigerator is running, which will cause the battery to charge slowly.\*Note: the batteries will be charged randomly in turn, and will not be charged if the battery put in is 18V tool battery. The batteries will be used randomly when charge the refrigerator.

### Optional Removable Battery Information:



Battery Model	Capacity	Rated Voltage	Charging Limited Voltage	Max Charging Current
GH-2050	5.2AH	11.1V	12.6V	4A
GH-2052	7.8AH	11.1V	12.6V	4A
GH-2054	15.6AH	11.1V	12.6V	4A












 **Warning:** please do not open or disassemble the battery.

## Battery Operation



1. Long press  on the battery to switch ON/OFF the battery.
2. Tips to make the battery last longer:
  - 1) Switch to ECO mode by pressing  on the fridge panel;
  - 2) Set the battery protection to "L" mode (very important setting to make the battery work longer time)
  - 3) Pre-chill the fridge to your ideal temperature in advance;
  - 4) Do not open the door frequently;
  - 5) Do not set the temperature too low if not necessary.

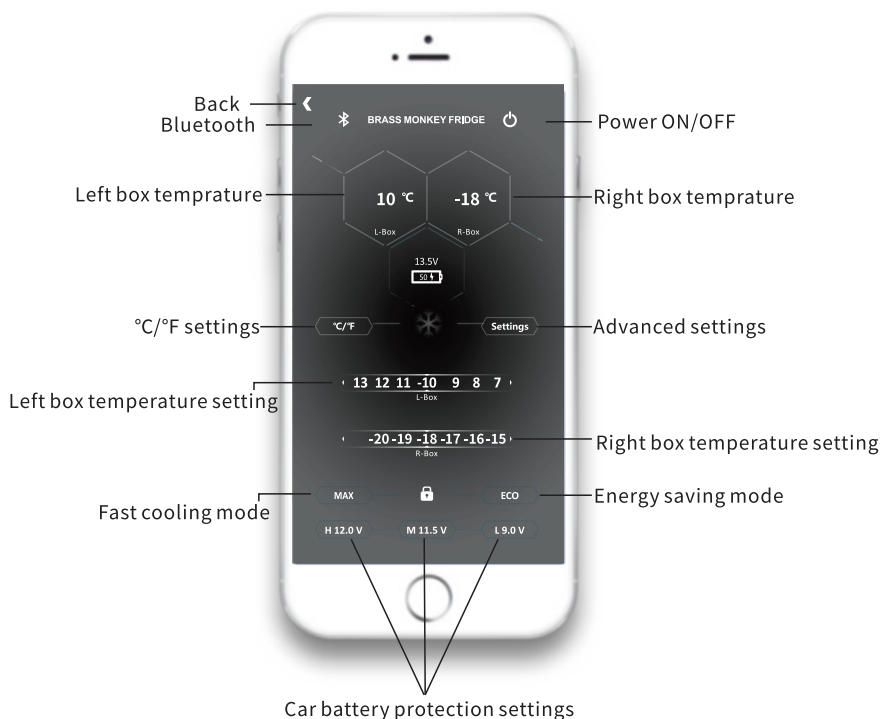
### • Recommended temperature for common food:

						
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

## SMART CONTROL FRIDGE APP APPLICATION INSTRUCTION

Search for the " Brass Monkey FRIDGE " application in the iTunes App store (for Apple devices) or Google store (Android Devices).

- Connect the fridge to power and switch it on using the control panel.
- Start the application and select the "Search" function.
- The application will prompt you to pair the fridge by pressing the set button  on the fridge's control panel, Once set button  has been activated, the fridge will be paired with your smart device and the application will switch to a control panel allowing you to control the fridge's functions.



Please scan the QR code to download APP

QR Code for Apple Devices



QR Code for Android Devices



## CLEANING & MAINTENANCE

### **Cleaning:**

- Unplug the device first to avoid electric shock.
- Use wet cloth to clean the device and dry it.
- 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.
- Wipe off excess water from the fridge with a soft rag.
- Put the device in a cool and dry place.
- Leave the door slightly open to prevent odors from forming.

### **Defrosting:**

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

This reduces the cooling capacity. Defrost the device in good time to avoid this.

- Switch off the device.
- Take out the contents of the device.
- Keep the door open.
- Wipe off the defrosted water.



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

# TROUBLESHOOTING

- The product is not working:
  - If using the 240VAC to 12VDC adapter (sold separately) check the power supply is working
  - If using the DC cable please ensure the cable still works.
  - Check the power supply is working
  - Check if the plug and socket are connected
  - Check the fuse
  - Check power switch on control panel is on
  - Compressor starts delay protection for 3 minutes after turning on
- Food inside the product is frozen:
  - Temperature is set too low
- Water flowing sound inside the tank:
  - Refrigerant is flowing, this is normal
- Water drops around the case or door gap:
  - When moisture in the air meets the lower temperature case, it will naturally become liquefied and condensed. Wipe away with a towel or soft cloth
- Code F1 displayed:
  - Low voltage protection, which can be solved by setting the battery protection button from H to M or from M to L
- Code F2 displayed:
  - Fan overload protection. Please turn off the product and restart it after 30 minutes. If the code displays again, please contact the place of purchase
- Code F3 displayed:
  - Compressor frequent start protection. Please turn off the product and restart it after 30 minutes. If the code displays again, please contact the place of purchase
- Code F4 displayed:
  - Compressor is overloaded or working at a low speed. Please turn off the product and restart it after 30 minutes. If the code displays again, please contact the place of purchase

- Code F5 displayed:
  - High temperature compressor module protection. Please move the product to a ventilated area and turn it off for 30 minutes then restart it. If the code displays again, please contact the place of purchase
- Code F6 displayed:
  - No parameter can be detected by the controller. Please restart the product. If the code displays again, please contact the place of purchase
- Code F7 / F8 displayed:
  - Temperature sensor error protection. Please check the sensor terminal

The warranty for this product is 3 years from date of purchase. During the warranty period the following are excluded from coverage:

- Intentional damage
- Damage by fire, flood, etc
- Damage or malfunction caused by incorrect usage and not following this user manual
- Damage or malfunction caused by disassembling

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