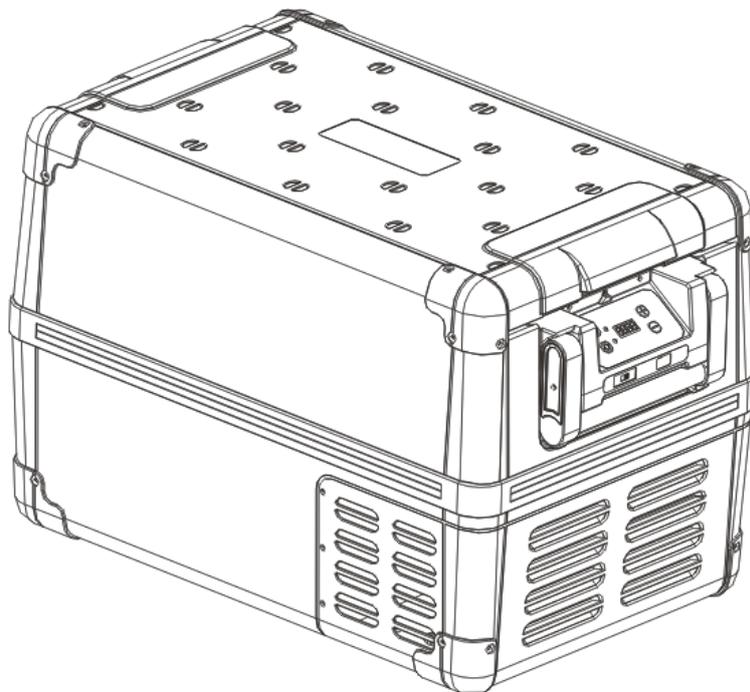


# INSTRUCTION MANUAL

## REFRIGERATOR

Model: YT-B-45PX / YT-B-55PX / YT-B-65PX



PLEASE READ THIS INSTRUCTION MANUAL CAREFULLY BEFORE CONNECTING AND OPERATING THE APPLIANCE. STORE THIS MANUAL IN A SAFE PLACE FOR FUTURE REFERENCE.

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### Notice:



CAUTION

Please pay attention to the below markings:

Safety cautions: non-standard operations could endanger personal safety or result in refrigerator damage.



Hints for operation

## I. Product features

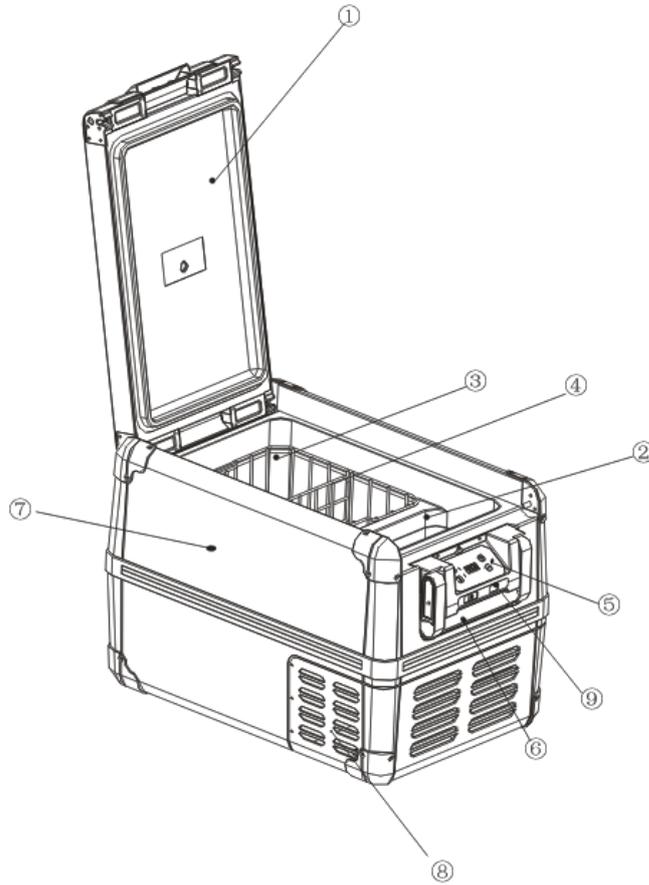
- The refrigerator is suitable for cooling and freezing food or drinks.
- The device is designed to be operated from a DC12 V<sub>DC</sub> or DC24 V<sub>DC</sub> onboard supply socket of a vehicle (e. g. cigarette lighter), boat or caravan as well as from a 100–240 V AC mains.
- The refrigerator may also be used in household and similar applications.
- Using a high efficiency compressor, advanced cooling and insulation materials without CFC allow the refrigerator to achieve rapid cooling performance.
- Large capacity, adjustable storage basket.
- microprocessor control, with LED display, accurately controls temperature, and status monitoring and temperature setting -22-10°C
- Low voltage protection, power supply reverse polarity protection, ultra-high temperature protection for safely use.



CAUTION When used for drug cold storage, please review if the cooling capacity matches the drug storage requirements.

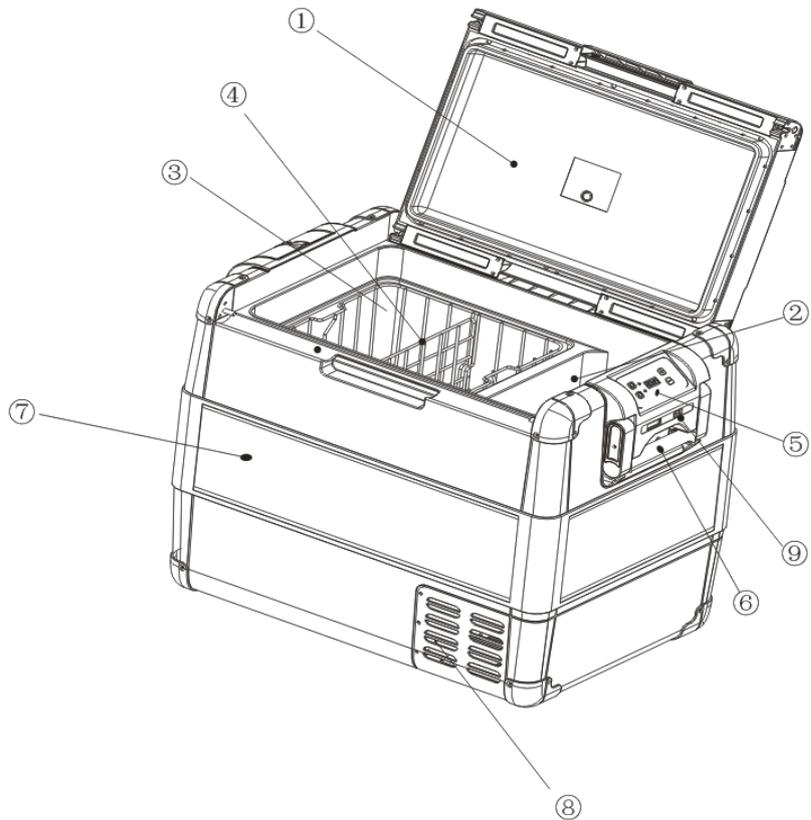
## II. Parts list

- ① lid
- ② fridge compartment
- ③ freezer compartment
- ④ storage basket
- ⑤ operating panel
- ⑥ handle
- ⑦ housing
- ⑧ air outlet
- ⑨ USB port



YT-B-45PX

- ① lid
- ② fridge compartment
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YT-B-65PX

### III. Safety Instructions

for the manufacturer will not accept responsibility for any damages caused by the following:

- Faulty installation or connection.
- Over voltage and mechanical damage.
- Modifying the refrigerator without permission.
- Failure to manual operation.
- Pay attention to the voltage description on the rating label, and ensure that the power cord is connected to correct power outlet.
- 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.
- Disconnect the power supply when cleaning and during any maintenance

***NOTICE! Danger of damage!***

Disconnect the refrigerator and other consumer units from the battery before you connect the battery to a quick charging device.

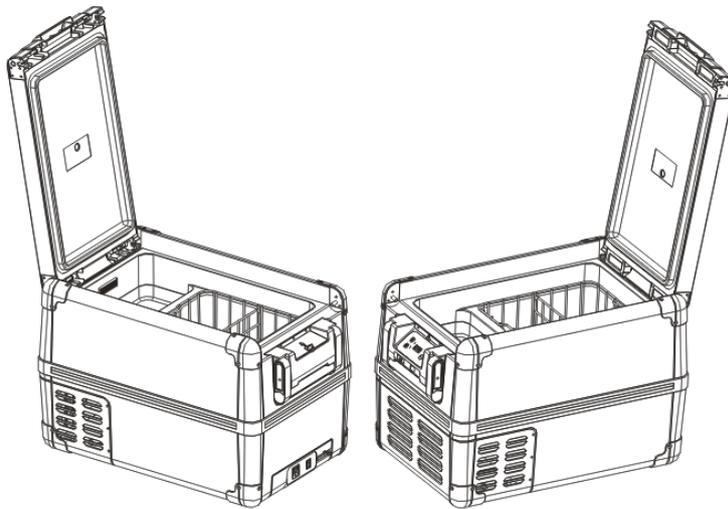
Overvoltage can damage the electronics of the device.

- Refrigerator can only be maintained by authorized person, improper maintenance may lead to unexpected dangers or damages.
- Corrosive materials cannot be stored in this unit.
- The appliance should be placed in a dry place, to prevent from water, rain and moisture.

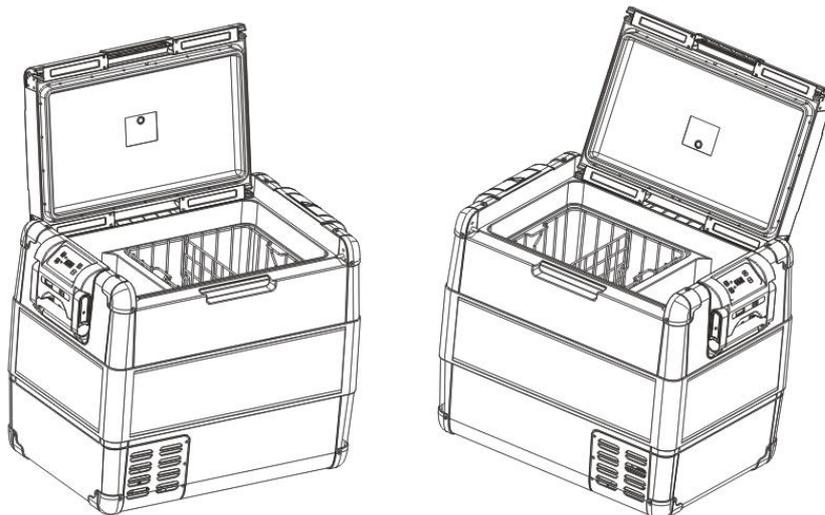
Do not immerse it into water.

- Do not place the appliance near heat sources such as heaters or direct sunlight.
- Ensure unit is well-ventilated.
- The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- The appliance is only to be used with the power supply unit provided with the appliance.

#### IV. Preparing For Use



YT-B-45PX

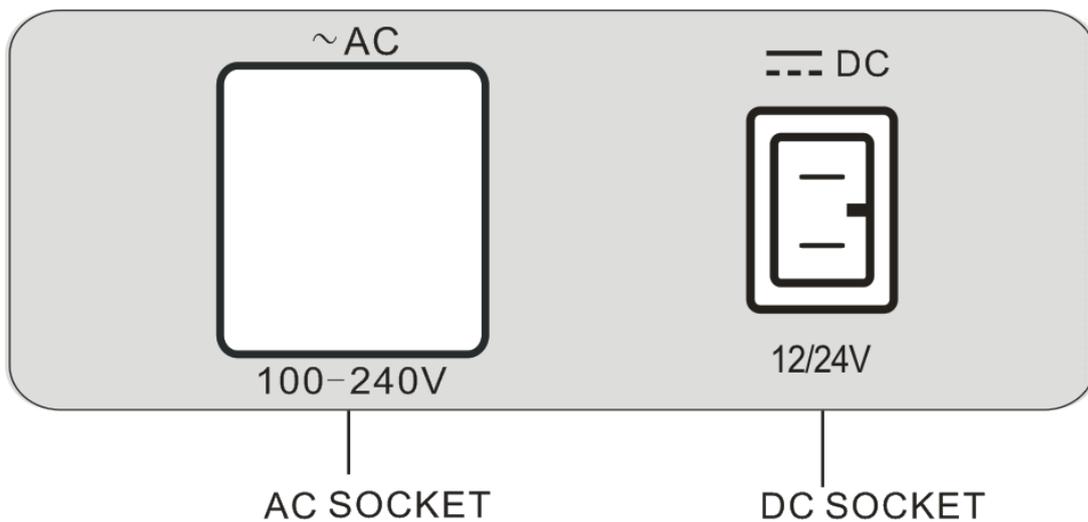


YT-B-55PX / YT-B-65PX

1. Use a damp cloth to clean the refrigerator inside and outside when used for the first time. For details, please refer to “**Cleaning and maintenance**”.
2. For convenience, the lid can be opened from left or right sides except on the 45 litre. Lid may be completely removed by pressing the two lid latches simultaneously.
3. Energy-saving tips
  - Select a well-ventilated place and keep the refrigerator away from heat or direct sunlight.
  - Cool the hot food before putting into the refrigerator.
  - Don't frequently open the lid or restrict opening for a long time.
  - Defrost in when required.
  - Setting temperature thoughtfully and reduce unnecessary low temperature setting.

## V. Operation and function

### 1. Connecting to power

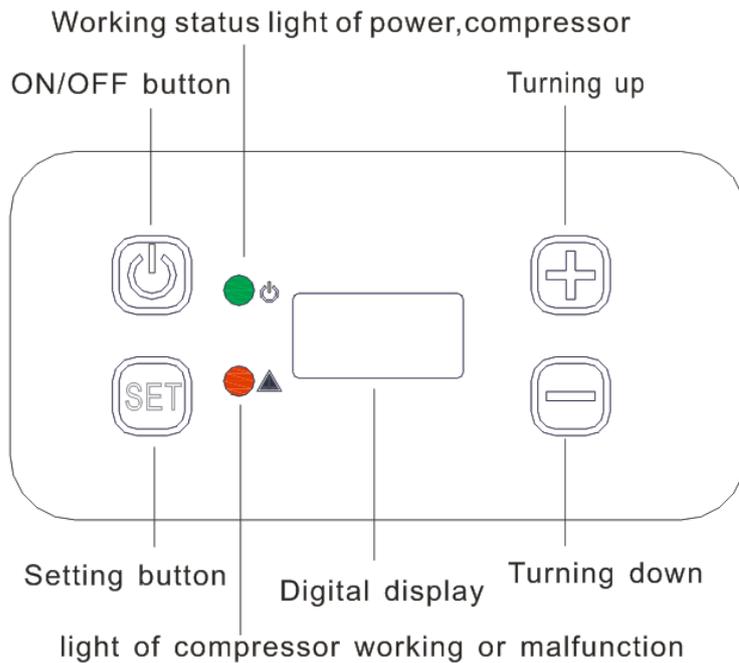


- Slide the emergency switch to standard mode **NORMAL USE** position.
- Insert DC plug into a car's cigarette lighter socket or other DC 12V/24V socket.
- For using with alternating current AC 100-240V, please insert the AC plug into an AC socket.



During normal use, emergency mode is not applicable. Emergency mode is only used ~~while~~ if the operating panel is malfunctioning.

### 2. Operating panel



### 3. Turning on the refrigerator

-After switching on the power, power indicator light will be orange. Digital display is blank, the refrigerator is in standby mode.

-Press  button for three seconds.

Digital display will show the current interior temperature. Power light will turn to green, the refrigerator will start operating.



**CAUTION** Please place the refrigerator in a well vented space, and ensure that the heat dissipation outlet is not blocked.

### 4. Setting the temperature

-Press  button once, to enter temperature setting mode.

-Use  ,  buttons to set temperature from -22°C to +10°C

-Press  button, to switch between centigrade (°C) and Fahrenheit (°F).

-Use  ,  to change between centigrade and Fahrenheit.

The cooling temperature appears in the display for a few seconds. The display flashes several times and then the interior temperature is displayed again.



Temperature range of the Display is -30 to +60°C

**NOTE**

If the ambient temperature is above +32°C (+90 °F), the minimum temperature cannot be attained.



Should be used followed by the  button to save the settings.

Without pressing  button, parameters will not be saved.



; The refrigerator has an automatic memory function which stores all set parameters. Stored parameters will be loaded on each power cycle.



When the refrigerator's interior temperature reaches the setting temperature, the compressor will power down. Power indicator light changes to orange. The power indicator light will illuminate green when compressor is running.

### 5. Battery Protection Setting

The refrigerator is equipped with a multi-level battery protector that protects your vehicle battery against excessive discharging when the device is connected to the on-board 12/24 V supply.

If the refrigerator is operated when the vehicle ignition is switched off, the refrigerator switches off automatically as soon as the supply voltage falls below a set level. The refrigerator will switch back on once the battery has been recharged to the restart voltage level.

-Press the  button three times.

-Use the  buttons to select the battery protector mode.

Digital display will be as follows:

Lo (LOW), ПЕ (MED), HI (HIGH)

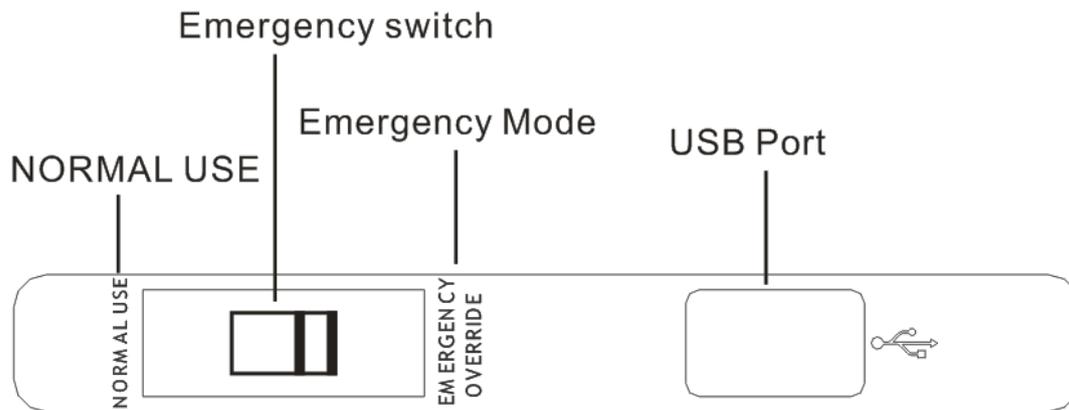
The selected mode then appears in the display for a few seconds.

The display flashes several times before it returns to the current temperature.

### 6. Turning Off The Refrigerator

In working status, press and hold the  button for three seconds to turn off the refrigerator. Remove the power plug.

### 7. Emergency Mode / USB port



While the operating panel malfunctions, Emergency mode (EMERGENCY OVERRIDE) may be used.



Slide Emergency switch to EMERGENCY OVERRIDE position to start this function. In this mode, the temperature setting is ignored and the compressor will run continuously. EMERGENCY OVERRIDE is for temporary use only.



**CAUTION** This mode is not suitable for long periods of food storage; If the switch is in the “EMERGENCY OVERRIDE” position, the refrigerator will operate at full cooling capacity. Food may be frozen.

#### USB port for power supply

USB port allows you to charge small devices like mobile phones and mp3-players. To use your refrigerator with USB devices, simply connect a USB cable (not included) to your device.

#### NOTE:

Ensure that any small device connected to the USB port is compatible with 5V/ 500mA operation.

## VI. Adjustment of Battery Protector Mode (Low Voltage Protection)

-If the supply battery’s voltage drops to the set point, then the compressor will switch off, to protect the battery against over discharge; once the battery’s voltage reaches the

restart voltage, after charging, compressor will start immediately.



-While the battery's voltage is too low, battery protector will take effect. Red malfunction indicator light will blink. Now you need to charge the battery.



-While the battery protector cut off is active, you should recharge your battery.

Voltage range of battery protector:

Power Supply	Status Battery protector	Low Mode	Medium Mode	High Mode
DC 12V	Cutting-off Voltage	10.1±0.3V	11.4±0.3V	11.8±0.3V
	Restarting Voltage	11.1±0.3V	12.2±0.3V	12.6±0.3V
DC 24V	Cutting-off Voltage	21.5±0.3V	24.1±0.3V	24.6±0.3V
	Restarting Voltage	23.0±0.3V	25.3±0.3V	26.2±0.3V



If the refrigerator is supplied by the car's main start battery, 'HI' mode setting is recommended, to ensure the vehicle's battery power is sufficient to start the engine. If you use additional battery for power supply, Lo mode setting is applicable.



-The refrigerator is designed to have the function to rework when connect to power after power off. If the refrigerator is shutdown due to an abnormal situation, it will restart automatically when connected to power again.

## VII. Defrosting

Humidity can form frost in the interior of the refrigerator or on the evaporator. This reduces the cooling capacity. Defrost the refrigerator to avoid this.

Defrosting steps are as per below:

-Remove any stored material from the refrigerator.

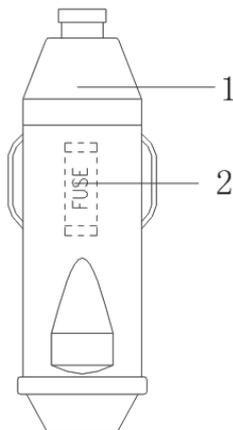
-Switch off the power, open the refrigerator's lid, and keep it open until the ice and frost melt away.

-Use clean cloth to wipe off the defrosted water.



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

## VIII. Replacing fuse and the light PCB



1. Steps for replacing plug fuse (12/24 V):

-Unplug the DC power plug;

-Turn the cap anticlockwise to remove it and fuse from the plug;

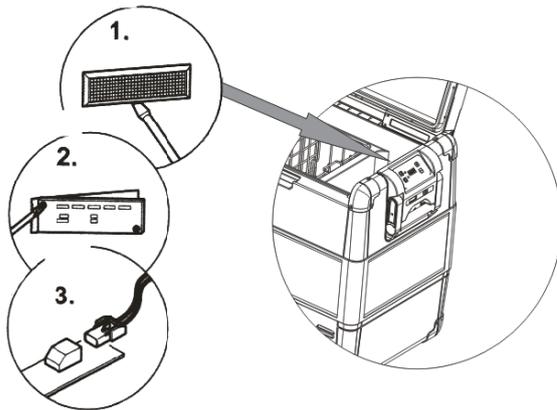
-Replace the defective fuse with a new unit that has the same rating (32V 10-15A);

-Replace and tighten the cap.



**CAUTION Warning:** rated current for fuse should be within 10-15A, no less than 10A and Max. is 15A.

2. Steps for replacing the light PCB:



- Unplug the power plug and open refrigerator's lid;
- Remove the transparent light cover with a screwdriver;
- Unscrew the PCB mounting board;
- Remove the connector wire terminal from the PCB;
- Replace the defective light PCB with a new one;
- Fit new PCB using reverse of removal instructions.
- Press the transparent cover back into the housing.

## IX. Cleaning and Maintenance



CAUTION

Warnings: Always disconnect the device from the mains before cleaning and service.



CAUTION

Warnings: Do not use abrasive cleaning agents or hard objects during cleaning as these can damage the refrigerator.

- Occasionally clean the interior and exterior with a damp cloth.
- Clean heat dissipation vents frequently to ensure good heat dissipation.

## X. Troubleshooting

Fault	Possible cause	Suggested remedy
Power indicator light is not on, refrigerator does not work.	No power input.	Check whether input power is matching or not; The ignition must be switched on in most vehicles to apply current to the cigarette lighter. If not working on 12v plug in to 240v to see if it is working
	Refrigerator fuse burnt.	Change fuse.
	Vehicle-mounted fuse burnt.	Refer to vehicle operating

		manual to change fuse.
	Cigarette lighter socket does not connect well.	Clean cigarette lighter socket or check whether plug connects correctly.
Digital display shows Err1 or Err2.	Temperature sensor broken	Repair it to appointed maintenance center.
The device does not cool (plug is inserted, "POWER" LED flashes orange, display is switched off).	Battery voltage is too low.	Test the battery and charge it as needed.
Temperature control.	Temperature transmitter broken.	Send to appointed maintenance center for repair.
	Emergency mode.	Slide the emergency switch to normal mode.
Error indicator light blinks.	Compressor operating trouble.	It will eliminate automatically after restarting compressor; if compressor can't restart for a long time, send to appointed maintenance center for repair.



If Error indicator light blinks, the compressor will restart every 60 seconds until it starts successfully.

Under Emergency Mode, If Error indicator light blinks every 4 seconds, it means input voltage is lower than lowest starting voltage, you need to charge your battery.

## XI.Packing list

No.	Quantity	Description
1	1	Vehicle compressor refrigerator
2	1	DC cable
3	1	AC cable
4	1	User manual
5	1	Storage basket

