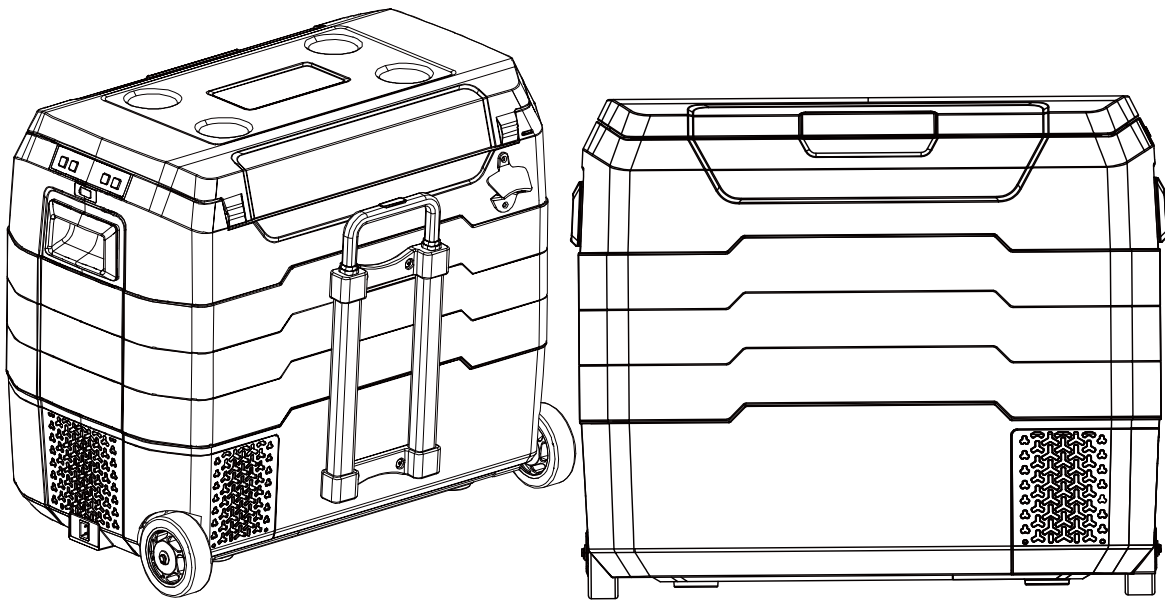




**53QUART PORTABLE COOLER FRIDGE AC/DC W/ APP**

**ITEM # 93990**



## **OWNER'S MANUAL AND SAFETY INSTRUCTIONS**

**SAVE THIS MANUAL. KEEP THIS MANUAL FOR SAFETY WARNINGS, PRECAUTIONS, ASSEMBLY, OPERATION, INSPECTION, MAINTENANCE AND CLEANING PROCEDURES. WRITE THE PRODUCT'S SERIAL NUMBER ON THE BACK OF THE MANUAL, OR THE MONTH AND YEAR OF PURCHASE IF PRODUCT HAS NO SERIAL NUMBER**

**FOR QUESTIONS, PLEASE CALL CUSTOMER SERVICE: 909.628.0880**

# SAFETY INFORMATION

## WARNING

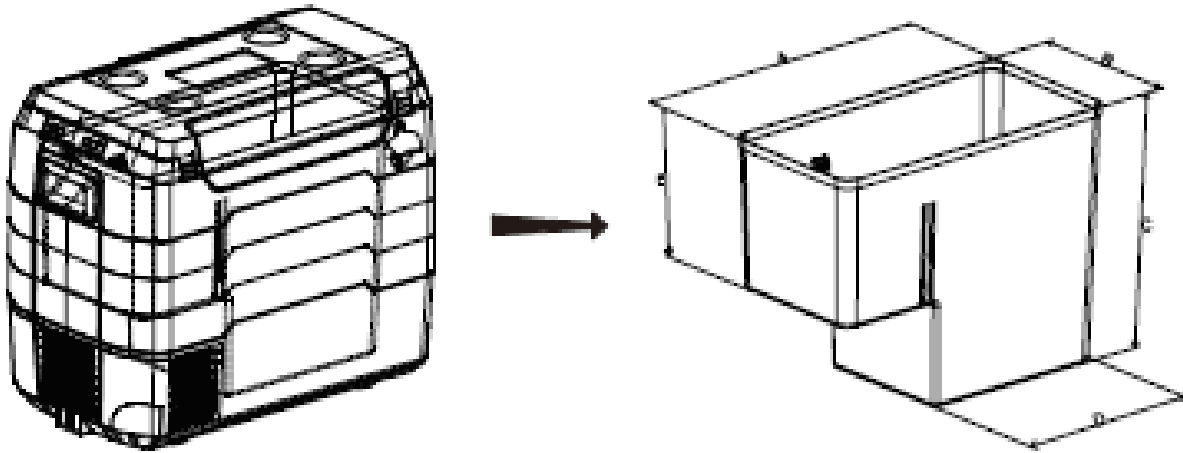
Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in injury and/or property damage. Save all warnings and instructions for future reference.

The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

- Warning: Do not use your refrigerator if any cabling is damaged, frayed or there is exposed wiring.
- Warning: Do not attempt to touch the power plug or continue to operate your refrigerator if it is wet or your hands wet.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- When using the refrigerator in the vehicle or boat, please be sure that the electricity has a fuse if using mains power. A moment of inattention while operating power.
- Good Ventilation: Your refrigerator requires good ventilation around it, space on the back of the refrigerator at least  $\geq 200\text{mm}$ , side of the refrigerator  $\geq 100\text{mm}$ .
- Avoid the heat: The refrigerator should be placed in the area where with good ventilation, kept away from heat and avoid direct sunlight.
- Stable placement: The location of the refrigerator should be flat and sturdy, when placed it in the car, please use a strap to tighten the cabinet and make sure the refrigerator fixed.
- The installation of the DC power source in the boat should be handled by a qualified & professional person.
- Please make sure the power should be off when charging with a high-speed battery.
- Make sure the voltage connection is right at all times, at the bottom of the products, the approved voltage parameters should be marked on the label.
- Avoid Moisture: The refrigerator should avoid the moisture in case of rusting; Do not rinse with water in case of insulation failure and electrical leakage failure.

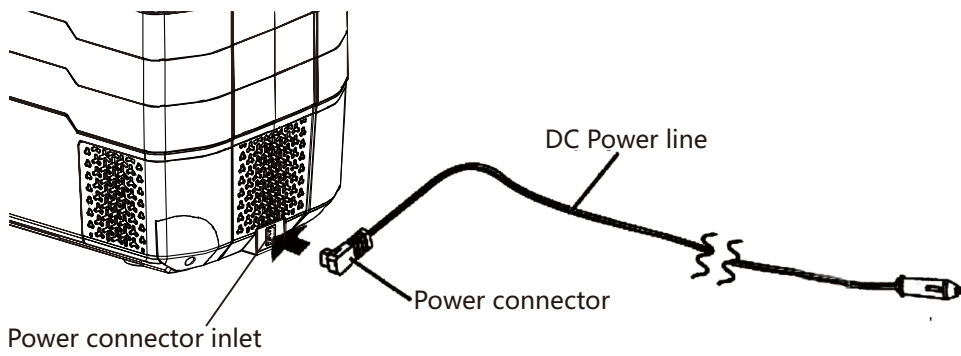
## SAVE THESE WARNINGS.

# OPERATION

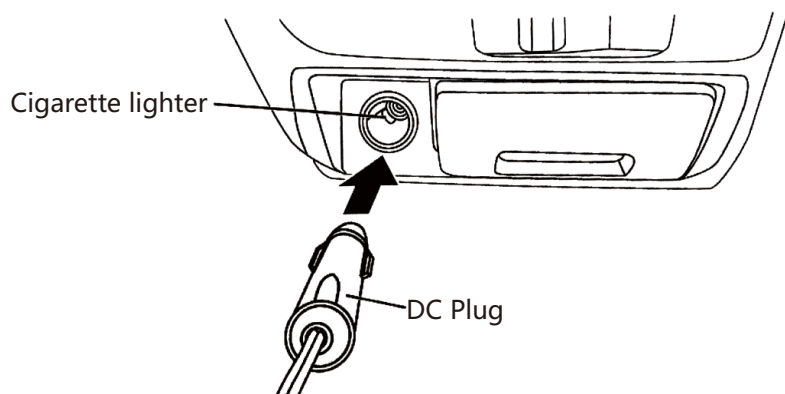


## OPERATION

1. Plug the DC power connector into the inlet of the refrigerator



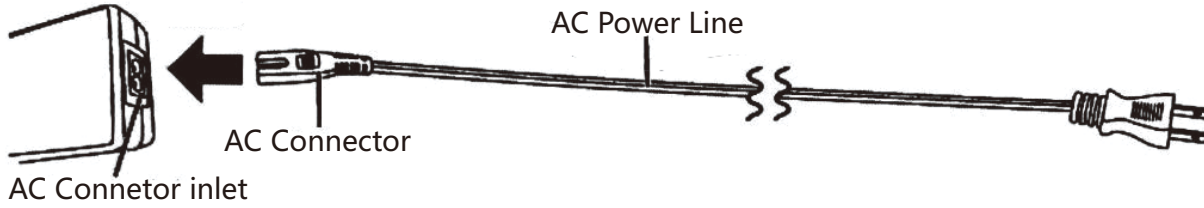
2. Insert the DC Plug into the cigarette lighter



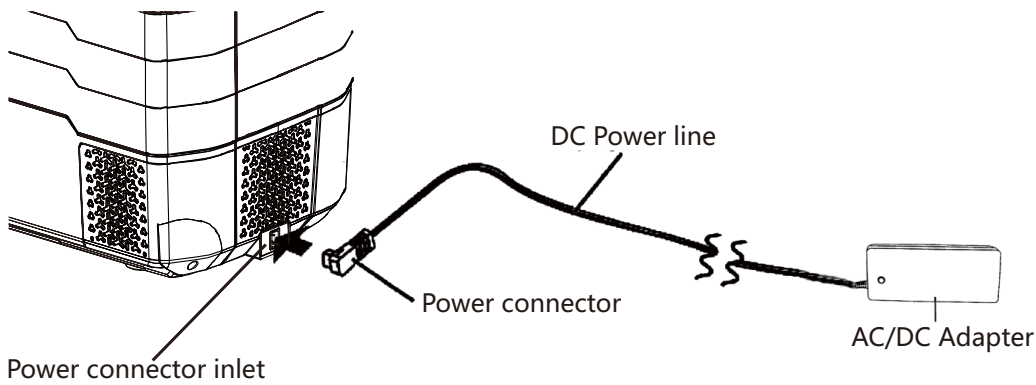
# OPERATION

## AC100-240V, 50/60Hz METHOD:

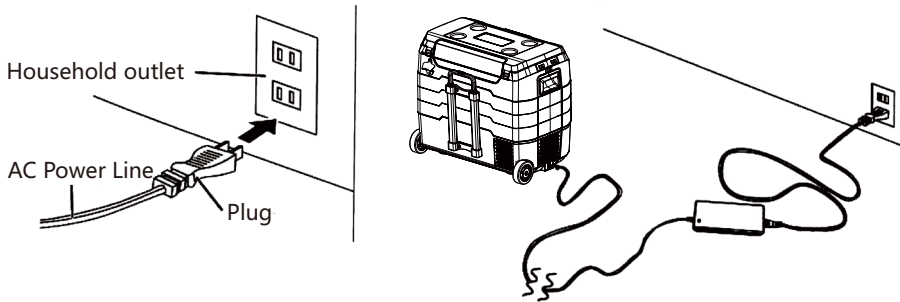
1. AC connector plug in AC power line insert AC connector inlet.



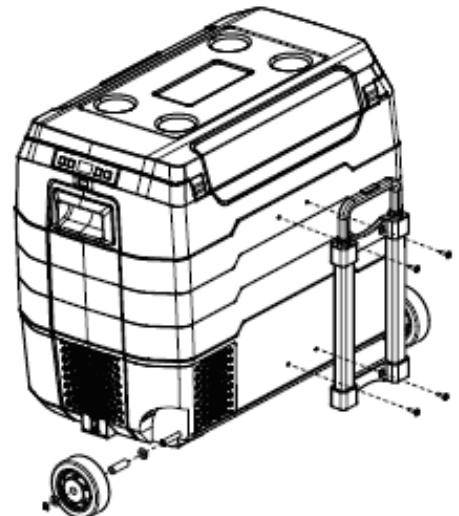
2. Plug the power connector on the adapter into the inlet of the refrigerator.



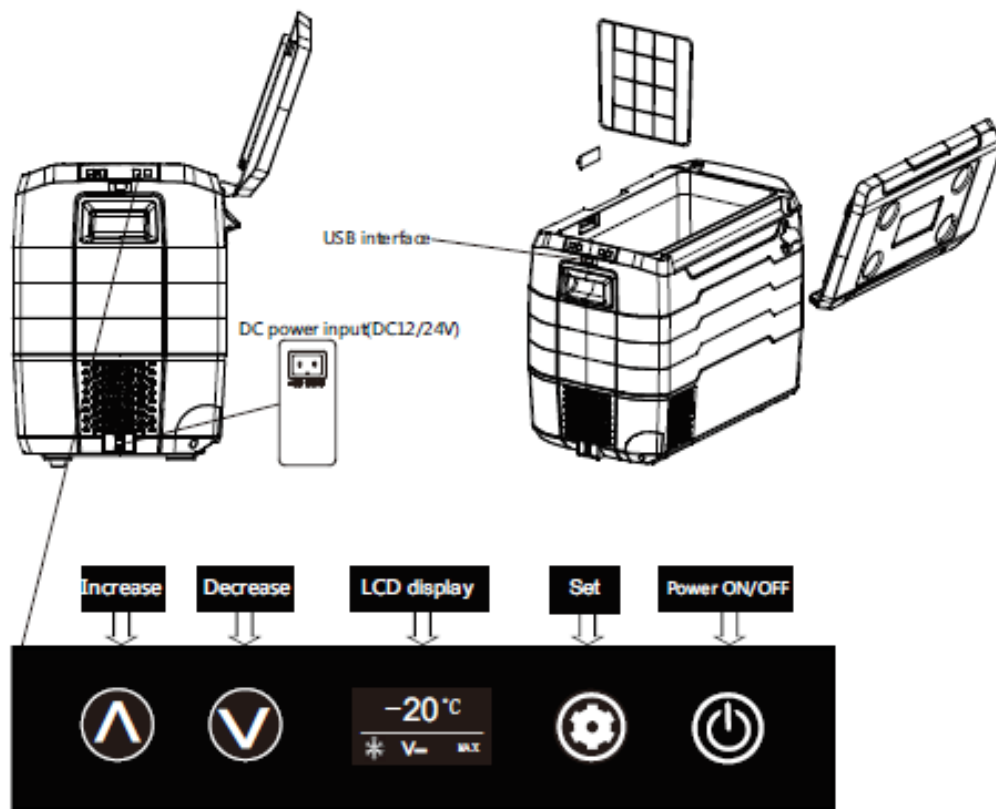
3. Plug the AC power line into the home outlet (AC 100-240V,50/60Hz).




Schematic diagram of rod installation and removal:



# OPERATION






## 1) ON/OFF

Press  for 5 seconds, car fridge will enter the stand by mode.

Note: After shutting down the car fridge and restarting, there are 3 minutes delay for the compressor to start to work.

## 2) Temperature Set

Press  or  to set temperature that you want. After operation, the light will flash for 5 seconds and display the temperature inside the fridge.

Note: The cabinet temperature in the fridge > the setting temperature(+3°C), and  turned on. When the cabinet temperature in the fridge = the setting temperature, compressor stops working.


## 3) Parameter Functions

°C: Celsius degree

°F: Fahrenheit degree

ECO: Energy saving mode    MAX: Fast cooling mode

V- V= V≡: low/med/high battery protection

Press  and display °C, repeat press the button, display °C, °F, V-, V=, V≡, ECO, MAX in turn. When the corresponding parameter flashes, stop pressing to confirm the parameter setting.

## 4) Battery Protection Function

There is a built-in battery protection module, which can automatically monitor the car battery voltage. Before the battery power consumption affects the normal start of the car, the car fridge will automatically stop working and the LCD screen display the "E1" code to ensure that the car battery will not be exhausted.

Battery voltage protection	12V cut out	12V cut in	24V cut out	24V cut in
V $\equiv$ (High)	11.7 $\pm$ 0.3V	12.7 $\pm$ 0.3V	24.6 $\pm$ 0.3V	26.0 $\pm$ 0.3V
V $\equiv$ (MED)	10.7 $\pm$ 0.3V	11.7 $\pm$ 0.3V	22.6 $\pm$ 0.3V	24.0 $\pm$ 0.3V
V $\_$ (LOW)	10.2 $\pm$ 0.3V	11.2 $\pm$ 0.3V	21.6 $\pm$ 0.3V	23.0 $\pm$ 0.3V

Note: The voltage level is testing the voltage value of input terminal of the compressor, not the output terminal of the car battery.

## 5) Power Memory Function

After restart, the temperature set will be the same with the one you set before power off.

## 5. Different Error Situation & How To Fix

### 1) Error Situation

#### ■ The refrigerator does not work

- Check if the power supply is connected correctly (whether the plug is loose, whether the positive and negative poles are connected incorrectly)
- Check if the ventilation conditions are normal.
- Check if the fuse is blown
- Check if the power switch on the control panel is turned on.

#### ■ Abnormal noise in the refrigerator

- The car refrigerator is not placed evenly
- Hit the wall or other items
- internal parts loose or fall off

#### ■ Condensation on the surface of the refrigerator

- When the ambient humidity is >75%, the surface of the cabinet may be slightly condensed. The higher the humidity, the greater the probability of occurrence will be, which is normal.

# TROUBLESHOOTING

- Refrigerator cooling is not good
  - The food storage is too large, placed crowded, cold air flow is not smooth
  - The door is not closed
  - The door sealing strip is damaged or deformed, and the sealing property is deteriorated;
  - Poor ventilation in the car
  - Put too much hot food
  - Improper working mode of the refrigerator
  - Sunlight or near heat source
  - improper temperature setting
- Similar to the sound of running water in the refrigerator
  - This is the flow sound of the refrigerant, which is normal.
- There will be a loud sound when the compressor starts up
  - When the compressor starts, the sound will be slightly larger, and the sound will decrease after the speed is stable, which is normal.

## 2) How To Fix

Error Code	Problems	Solution Method
<b>Er0</b>	Temperature sensor cutting out	Change the temperature sensor line
<b>Er1</b>	Battery protection cutting out	1. Change/charge the battery 2. Lower battery protection switch to lower setting
<b>Er2</b>	Fan overload cutting out	Clean fan or change the fan
<b>Er3</b>	Motor start error (the rotor is blocked or the differential pressure in refrigeration system is too high)	Disconnect power for 30 minutes then re-start
<b>Er4</b>	Compressor speed error protection.	Reduce load on refrigeration system, increase temperature setting. Change the main controller
<b>Er5</b>	Thermal cut-out (overload or internal temp too high)	Move refrigerator to a well ventilated place, allow compressor to cool, then re-start. Ensure all vents and internals are clean. Clean with compressed air.
<b>Er9</b>	Temperature sensor disconnection	1. Tighten the temperature sensor line 2. Change the temperature sensor line

## 6. Cleaning & Maintenance

### ■ Cleaning method:

Clean the appliance inside and out with a clean damp cloth every two weeks. If it is dirty, wipe it with a neutral detergent and then wipe it dry with a damp

# TROUBLESHOOTING

cloth. If there is too much water, you can use the drainage pipe at the bottom of the tank to drain.

It is forbidden to wash the refrigerator directly with water in order to avoid the decrease of electrical insulation and the rust of sheet metal.

The following things will damage the coated surface, plastic parts, such as alkaline detergent, soap, grinding powder, hot water, brushes, toluene water, gasoline, alcohol.

Maintenance of plastic parts:

To properly protect the seals, clean the plastic parts frequently and try to avoid heavy impact during use. If oil(Animal or vegetable oil)is attached plastic parts for a long time, the plastic will easily deteriorate and crack and smells bad.

Do not store products inside the refrigerator if the unit is not on.

## 7、 Technical Parameters:

CAPACITY	50L	DC FUSE (A)	15A
CLIMATIC CATEGORY	T,ST,N,SN	TOTAL INPUT POWER (W)	55W
PROTECTIVE CLASSIFICATION OF ELECTRIC SHOCK RESISTANCE	III	RATED CURRENT FOR DC (A)	4.6A/2.3A
RATED VOLTAGE DC (V)	DC12V/24V	REFRIGERANT	R134a/45±0.5g
ADAPTER INPUT	AC100-240V,50/60Hz, 2.5A	FOAM VESICANT	C5H10/C-Pentane
ADAPTER OUTPUT	DC14.5V $\overline{=}$ 6.0A	TEMPERATURE ADJUSTMENT RANGE	-20°C to 10°C -4°F to 50°F

## 8、APP Description:



Scan this QR code to download the APP

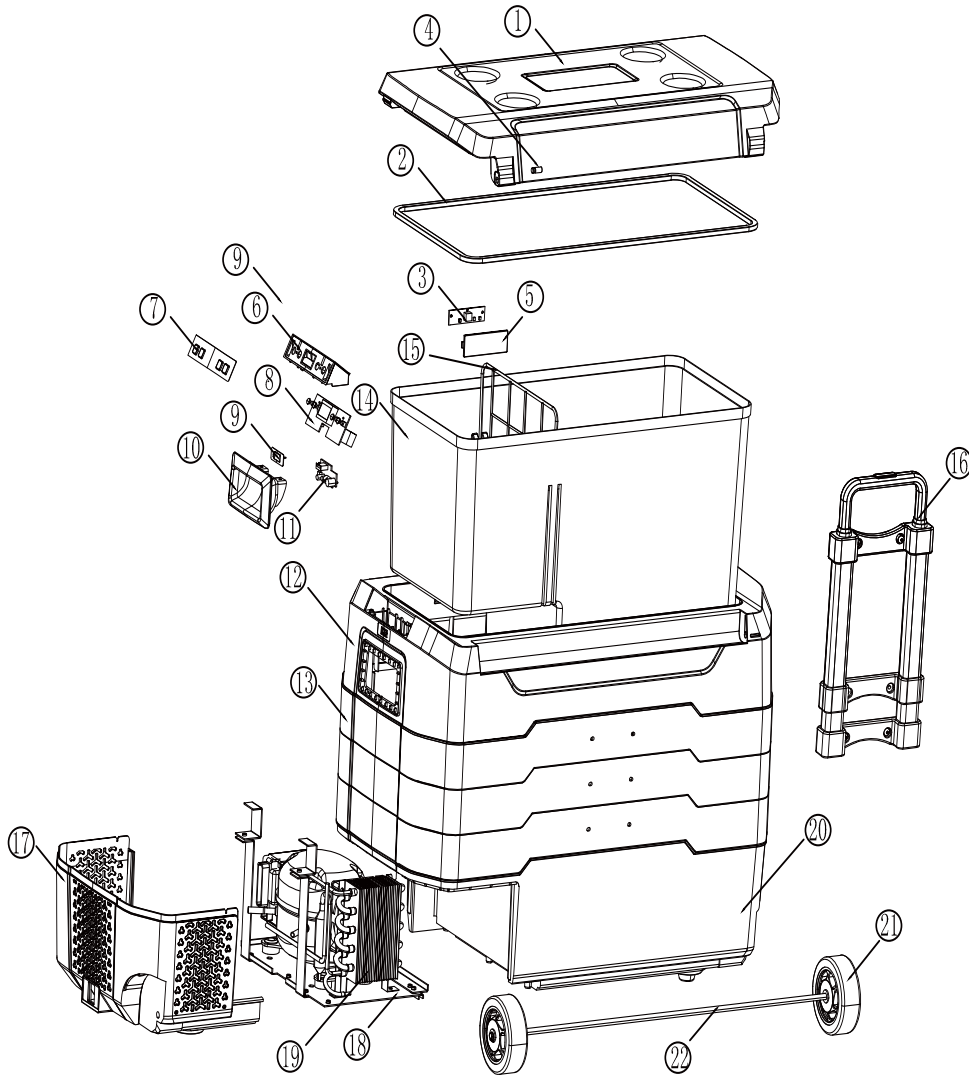
### Reminder:

Please turn on Wifi or 4G, 5G network and Bluetooth function every time you use the APP to connect to the refrigerator.

If you need to switch to another account, unbind the current account and clear the connected refrigerator device.



## 9、 Product Exploded View And Part List



S/N	Name	Qty
1	Door shell	1
2	Door seal	1
3	Light board	1
4	Door hinge	2
5	Lampshade	1
6	Control panel	1
7	Display film	1
8	Electric control board	1
9	USB waterproof game	1
10	Handle	2
11	USB board	1
12	Box cavity shell	1
13	Enclosure	3
14	Box liner	1
15	Grid	1
16	Tie rod	1
17	Compressor rear cover	1
18	Compressor bottom plate	1
19	Compressor(With module)	1
20	Box base	1
21	Wheel	2
22	Axle	1

# DISCLAIMER

## PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

**Record Product's Serial Number Here:** \_\_\_\_\_

**Note: If product has no serial number, record month and year of purchase instead.**

**Note: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.**

## Questions, issues or missing parts?

Before returning to your retailer, our customer service team is here to help.



**Call Us: 909.628.0880**

**Email Us: [customer@xtremepowerusa.com](mailto:customer@xtremepowerusa.com)**

**Hours of Operation: 9am - 3pm PST Monday - Friday**

**MADE IN CHINA**