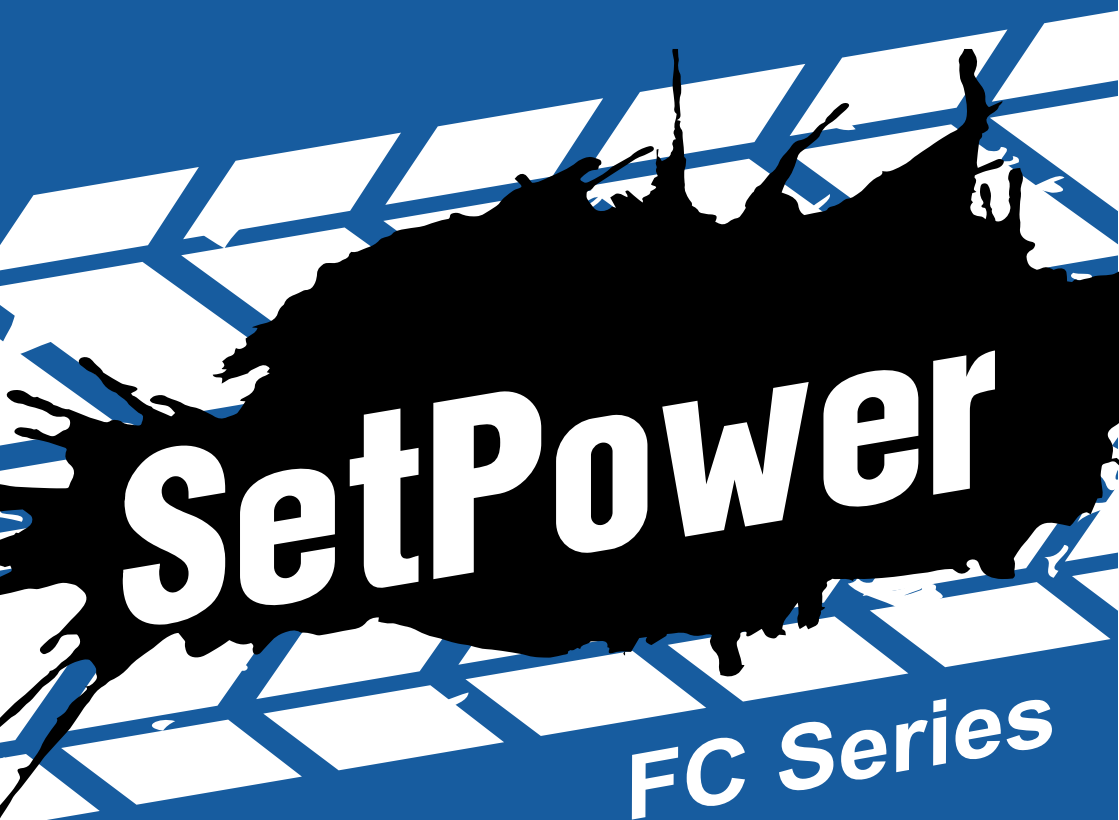




User Manual

V1.3



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1.SAFETY INFORMATION

Please read this operating manual carefully before starting the appliance. Keep it in a safe place for future reference. If the appliance is passed on to another person, this instruction manual must be handed over to the user along with it.

The manufacturer cannot be held liable for damage resulting from improper usage or incorrect operation.

WARNING

- This 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 or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised that they do not play with the appliance.
- Cleaning and user maintenance shall not be carried out by children without supervision.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Do not use this appliance near direct heat sources, for example, a cooker, radiator or exposing it to direct sunlight.
- The appliance shall not be exposed to rain. Place the refrigerator on a dry, protected surface, away from edges.

NOTICE

- No responsible for the damage by ignoring the safety instructions SetPower.
- The use of accessories that are not recommended by SetPower can cause injuries and will invalidate any warranty that you may have.
- Place the products so that they do not collide against each other or break when the appliance is in motion.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Disconnect the power cable from the plug before carrying out any maintenance.

INTENDED TO USE

This appliance is intended to be used in household and similar applications such as:

- Staff kitchen areas in shops, offices and other working environments;
- Farm houses and by clients in hotels, motels and other residential type environments;
- Bed and breakfast type environments;
- Catering and similar non-retail applications.

CAUTION

- Keep ventilation openings, clear of obstruction in the appliance enclosure or in the built-in structure.
- Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by SetPower.
- Do not place ice or liquids which are not sealed in containers within the refrigerator.
- Do not place hot products or hot food in this appliance.

CORRECT DISPOSAL OF THIS PRODUCT:

To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the recovery systems or contact the retailer that they can take this product for environmental safe recycling.

DANGER:

- Risk of child entrapment.

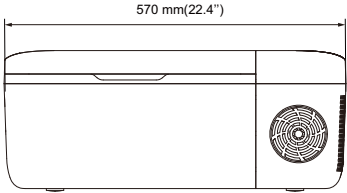
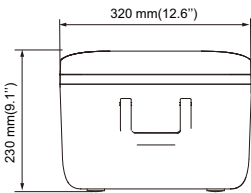
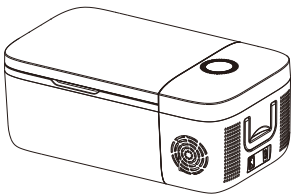
Before you throw away your old refrigerator or freezer:

- Take off the doors.
- Leave the shelves in place so that children may not easily climb inside.

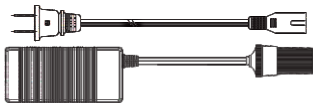
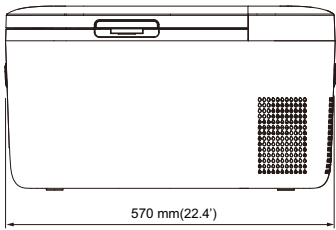
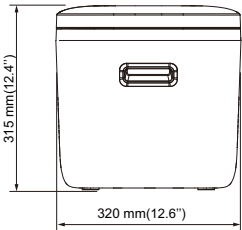
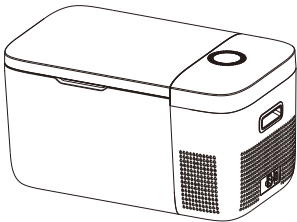
2. DATA SHEET

MODEL	FC12 Series	FC20 Series
External dimensions(LxWxH)	570x320x230 mm 22.4x12.6x9.0 inch	570x320x315 mm 22.4x12.6x12.4 inch
Net weight	8.5Kg(18.7 lbs)	9.3Kg(20.5 lbs)
Installed power	45W	
Supply voltage	DC 12V/24V	
Temperature setting	-18°C to +10°C (0°F to 50°F)	
Refrigerant gas	R134a-CFC Free	
Insulation	C-pentane	
Shell material	ABS	

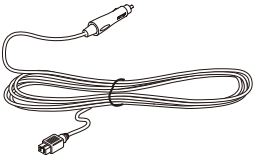
FC12 Series



FC20 Series



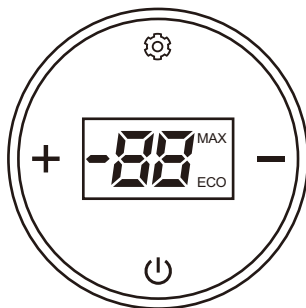
AC ADAPTER



DC CONNECTION CABLE



3. OPERATION



In standby mode, long press "  " button for 3 seconds, to turn on the fridge. Long press "  " button for 3 seconds, to power off.

Temperature Setting:

In standby mode, short press " + " or " - " button, display will show on and flashes, then short press " + " or " - " can adjust the temperature up and down. Long press during flashes, setting value will adjust 4 degree per seconds.

ECO&MAX Mode:

Power on, short press "  " button, switch between MAX and ECO mode (MAX is default mode).

Battery Protection Setting Method:

In the standby mode, long press " + " and " - " at the same time for 3 seconds, then show and flash the current value, short press " + " or " - " button up and down can set the battery protection level (High level is default mode).

Conversion between Celsius and Fahrenheit

In the standby mode, long press "  " button for 3 seconds, current mode shows on the display, then short press "  " to choose "C" (Celsius) or "F" (Fahrenheit), Fahrenheit is default mode. Flicker in no operation for 3 seconds will back to standby status.

SAVING ENERGY TIPS

- Do not open the appliance frequently if unnecessary.
- Make sure leave enough space to ventilating.
- Defrost the appliance once a layer of ice forms.
- Allow warm food to cool down first before placing it in the freezer to keep cool.

HOW TO USE THE REFRIGERATOR

1.Connecting with 12V or 24V

- Connect the feeding cable to a direct current 12/24V DC power source.
- Make sure the polarity is right.
- If connected to an existing cigarette plug, pleasecarefully check up that power supply is sufficient.
- If the supplied power cable is not used, please see the table containing the information related to the cable section:

The Fridge/Freezer is designed to operate on DC voltage inputs.

DC input	12V or 24V
DC cable	2.5m,16AWG

2.Connecting with 110-240V

- FC12/20 could connect with 110-240V via AC adapter.
- The coolers have an integrated multi-voltage power supply with priority circuit for connecting to an AC voltage source of 110-240V. The priority circuit automatically switches the cooler to mains operation, if the device is connected to a 120/240V AC mains, even if the 12/24V connection cable is still attached. In order to protect the freezer and cigarette socket, we suggest use with one power supply.

BATTERY PROTECTION MODE

In the standby status, long press “on/off” and “setting” button at the same time for 3 seconds to enter the battery protection setting menu. Press “+” and “-” to adjust the level, “- -” refer to the low mode, “= =” refer to the middle mode, and “≡ ≡” refer to the high mode.

Battery Protection Level

VOLTAGE	DISPLAY	12V		24V	
PROTECTION POSITION		CUT OFF (V)	CUT IN (V)	CUT OFF (V)	CUT IN (V)
LOW	1 Bar   	9.6	10.9	21.3	22.7
MIDDLE	2 Bars   	10.4	11.7	22.8	24.2
HIGH	3 Bars   	11.1	12.4	24.3	25.7

4.FILLING

Do not put hot food items into the refrigerator. Place the products in such a way as to avoid them hitting against each other or breaking because of the movement of the vehicle.
Make sure that the lid is always well closed and open it for as short a time as possible.



5. DEFROSTING

Defrosting is needed when the layer of frost is thicker than 4 mm.

To carry out this operation, turn off the refrigerator.

Do not use sharp or cutting tools to remove the layer of frost or ice.

Wait until complete unfreezing and then turn on again.

6. MAINTENANCE



Before carrying out any maintenance operation on the refrigerator, take the power cable out of its socket.

7. CLEANING

- Regularly clean the inside and outside of the refrigerator using only warm water and a neutral detergent.
- Subsequent to washing, rinse with clean water and dry thoroughly using a soft cloth.
- Do not use the following: special glass and mirror cleaning products, liquid, powder, or spray detergents, alcohol, ammonia or abrasive products.
- If you are not using the refrigerator, we suggest cleaning it well inside and leaving the door ajar to ventilate the interior.

8. SUGGESTIONS

Should the device fail to work or work badly, before referring to our after-sales service, make sure that:

- a) the feeding voltage is not missing;
- b) the voltage is the same as the one shown on the plate;
- c) the connections and the polarities are right;
- d) the airing grids are not covered over;
- e) the refrigerator unit is not near any heat source;
- f) the fuse of the feeding line is not blown.

9. GENERAL SAFETY MESSAGES



Failure to obey the following warnings could result in death or serious injury:

- **ELECTRICAL SHOCK HAZARD.** Do not immerse the product in water, or use it in an area that is excessively muddy.
- Do not use the cooler for any purpose other than as a mobile cooling device.



FALL HAZARD. Do not stand on the cooler. Doing so could damage the unit or cause minor to moderate injury.

10. NOTICE

Failure to obey the following notices could result in property damage:

- Keep sand or dirt away from the cooling system ventilation area.
- Do not leave the cooler on the deck of a boat for an extended period. Salt water damage to the cooling system, electronics, or metal hardware could occur.
- Do not expose the cooler to extreme heat.
- Only use mild soap and water to clean the cooler.
- Do not use a DC extension cord.
- Do not use a power strip or two-way splitter.
- Do not use power cord adapters of any kind other than those provided by the manufacturer.
- Do not use ice cubes or fill the cooler with water. If ice does accumulate at the bottom of the cooler, defrost the unit and use the drain plug to drain the water.
- Do not modify the unit in any way.
- Do not place hot materials (75 °F or higher) in the cooler. Allow materials to cool (50 °F or less) before placing them inside the cooler.
- Do not tip or store the cooler at an angle greater than 30° for extended periods. Compressor oil contamination of the cooling system could occur.
- Allow 2–4 inches of space around the cooler at all times for proper ventilation of the cooling system.
- The cooler must be secured at all times using straps or a mounting plate, especially in mobile applications.



The power supply cable must be replaced only by qualified technical personnel and in any case by an after sales service authorised by the Manufacturer.

SetPower is not liable in any way if you do not comply strictly with all the provisions in this manual.

This 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 or instruction concerning 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.

11.FAULTS

When there is error for the fridge, there will be code on the display. The possible error for each code would be as follows

ERROR CODE	ERROR TYPE
E1	The low battery protection mode take effect (the input voltage is lower than set value)
E2	Fan error/Short circuit/ Frequently start and stop
E3	Compressor motor start error (Motor block or refrigeration system pressure difference is too large.)
E4	The motor speed of the compressor is too low (the refrigeration system is overloaded, the motor cannot maintain the minimum speed of 1850r/min)
E5	Temperature too high or too low to protect the compressor control module (when the environment temperature is too high or too low, or system load is too large, causing module/ECU internal temperature 100 °C > or < - 10 °C)
E6	NTC fault (NTC open circuit or short circuit)



OUR GUARANTEE

SetPower product comes with a 3-year warranty on the compressor and 1 year warranty on all other parts for your peace of mind. In the unlikely event this product fails when used according to our user guide, we will either repair or replace it. For full warranty terms and conditions on this product, please see the user guide.

We'd welcome you contact us support@setpowerusa.com if you have any question about the product.

Quality Service Guarantee

This product is warranted for 3 years on the compressor and 1 year for all other parts from the date of purchase. Our goods come with guarantees that cannot be excluded under the Local Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. Warranty does not cover products that have not been used in accordance with user guide or are outside the warranty terms and conditions.



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SetPower[®]

3-YEAR WARRANTY

