

User Manual

Please keep the original packaging and let the unit stand upright for 24 hours upon delivery.

V2.0

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1.WARNING

SetPower assumes no responsibility for damages, injuries, or voided warranties due to ignored safety instructions or the use of uncertified accessories. For any malfunctions, contact the SetPower team for a guided inspection.

- After receiving the package, if the refrigerator has severe damage or refrigerant leakage, please contact us promptly—our SetPower team will arrange professional after-sales service for you.

- Before turning on the refrigerator, please place it in an upright position for 24 hours first to ensure the refrigerant stabilizes, then power it on.

- During the use of the refrigerator, if you encounter any doubts about operation, please contact the SetPower team in a timely manner for assistance.

- When it is necessary to inspect the refrigerator's circuit, please be sure to disconnect the power supply first, and conduct the inspection in accordance with the professional troubleshooting guidelines provided by the SetPower team.

- Within the one-year parts warranty period of the refrigerator, the SetPower team will provide replacement parts and operation guidelines to support inspection and maintenance.

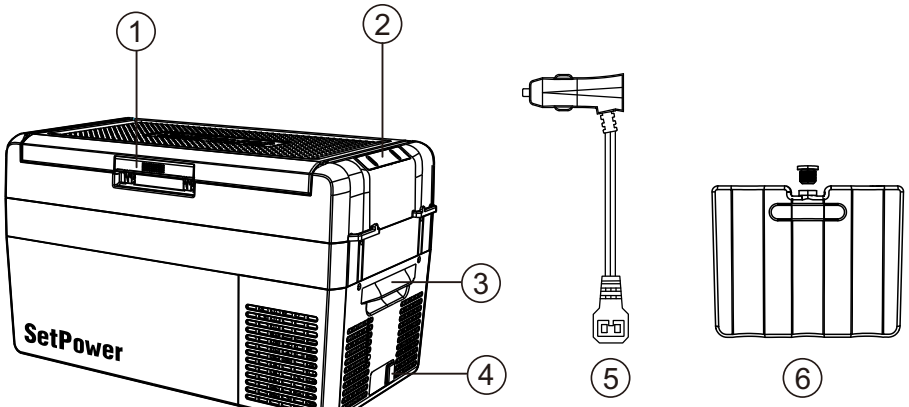
2.SPECIFICATIONS

Model	RF20	RF25
External Dimensions (L*W*H)	24.3x13.1x11.9 inches (617x332x301 mm)	24.3x13.1x14.3 inches (617x332x363 mm)
Capacity	21.1 quarts / 20 liters	26.4 quarts / 25 liters
Net Weight	22.1 lbs (10.0 kg)	23.4 lbs (10.6 kg)
Temperature Range	-4°F to 68°F (-20°C to +20°C)	
Nominal Voltage	DC 12V / 24V	
Shell Material	PP	

***Under specific conditions, the fridge can reach -4°F.**

3.OVERVIEW

1. Lid Latch
2. Control Panel
3. Carry Handle
4. Power Input Panel
5. 12V / 24V DC Power Cable
6. Removeable ICE Box



4.OPERATING INSTRUCTIONS



4.1 HOW TO USE THE REFRIGERATOR

Connecting with 12V or 24V

- Connect the feeding cable to a direct current 24V DC power source.
- Make sure the polarity is right.
- If connected to an existing cigarette plug, please carefully 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

4.2 OPERATION

● TURN ON/OFF THE FRIDGE

With the fridge plugged in, short press the " " botton to turn on/off the fridge.

● SWITCH BETWEEN °C AND °F TEMPERATURE

Turn on the fridge and long press " " botton for 2 seconds to enter the advanced settings, when you see the light on " **MAX** " or " **ECO** " is sparking.

When you see the light on " **MAX** " or " **ECO** " is sparking, press " " botton twice to enter Fahrenheit / Celsius switch mode.

Press " " or " " to switch Fahrenheit / Celsius.

● TEMPERATURE SETTING

Under the startup state, press the " " botton to increase one degree temperature.

Press the " " botton to reduce the temperature by one degree.

Long press " " or " " botton to adjust upward or downward the temperature quikly.

● SWITCH MAX OR ECO MODE

Turn on the fridge and long press " ⚙ " botton for 2 seconds to enter the advanced settings, when you see the light on " **MAX** " or " **ECO** " is sparking.

Press " ⊕ " or " ⊖ " to adjust to MAX/ECO mode.
(MAX mode is defaulted)

● SET BATTERY PROTECTION

Turn on the fridge and long press " ⚙ " botton for 2 seconds to enter the advanced settings, when you see the light on " **MAX** " or " **ECO** " is sparking.

Press " ⚙ " botton again to enter battery protection mode.

Press " ⊕ " or " ⊖ " to switch between HIGH/MID/LOW levels. (HIGH mode is defaulted)

4.3 BATTERY PROTECTION FUNCTION

Input Voltage / Protection Mode	12V		24V	
	Protection Value(V)	Recovery Value(V)	Protection Value(V)	Protection Value(V)
LOW	9.6	10.9	21.3	22.7
MID	10.4	11.7	22.8	24.2
HIGH	11.1	12.4	24.3	25.7

WHAT IS BATTERY PROTECTION SETTINGS?

This function is designed to prevent over-discharge and battery depletion. When the measured DC voltage is below the Cut-of f value, the compressor will shut of f to prevent battery depletion. After the voltage is higher than Start-up value, the compressor will go back to work again.Improper protection setting or low-power battery may cause E1 error, please lower the battery protection or recharge the battery in time.

This car refrigerator features built-in battery protection, requiring a **minimum of 10.9V to start and 9.6V to maintain operation.**

The reason cause startup failure or unexpected shutdown:

- Using Non-standard power cord
- Power Cord, Socket, Inter Wiring Loosing
- Using undersized Portable battery/ car battery
- The portable power automatically starts in low-voltage mode,insufficient voltage prevents Car refrigerator from starting.

5.TROUBLE SHOOTING

Code	Error Type	Action
E1	Battery voltage is low.	Check the refrigerator's voltage and adjust the low battery protection mode.
E2	Fan failure / Frequent start-stop.	Please contact us for after-sales service.
E3	Compressor startup problems.	Turn off the refrigerator's power for 10 minutes, then turn it back on for more than 20 minutes.
E4	Compressor's running speed fails to reach the requirements.	
E5	The model is overloading.	Turn off the refrigerator until the temperature normalizes, then turn it back on. Check if the fan is blocked.
E6	NTC failure(open circuit or short circuit)	Check air vents are clear. Move fridge to cooler location(ambient temperature may be too high).
LL	NTC Short Circuit Fault	
HH		
88/ 888	Communication Fault	Please try removing the refrigerator's rear cover and check if the terminals of the D/I module are loose. Replace with a stable power source or use a voltage stabilizer.
E7	Communication Fault Between Display Board and Module	Please disconnect the power and reconnect it.
E9	Abnormal Phase Current of Compressor Module	Please contact us for after-sales service.

6.BETTER USING

For regular maintenance, always ensure the power is completely disconnected. Defrosting is required when the frost layer exceeds 4 mm.

- Don't use sharp tools to remove frost,allow Defrosting to melt naturally.
- Please use mild soapy water and a soft cloth to clean. (Avoid chemicals such as glass cleaners, abrasives, alcohol, or ammonia.)

Please clean the interior and leave the door slightly ajar for ventilation before the unit is to be stored unused for an extended period.

FACTORS CAUSING FROST: The inside of the refrigerator is at its lowest temperature for a long time. Then the temperature difference created when the refrigerator is opened and closed will cause frost to form inside the refrigerator. After a long time, this phenomenon will be formed. Please feel free to use the refrigerator, this is a normal phenomenon.

USING SAFETY TIPS:

- Don't immerse the unit in water or use it in excessively wet areas;
- Don't place it near heat sources, in direct sunlight, or expose it to rain;
- During use, please ensure ventilation openings are unobstructed, maintain 2-4 inches (approx. 5-10 cm) of clearance around the unit for heat dissipation, and avoid tilting it beyond 30°;

- In transport applications, please using straps to secure the unit or a mounting plate/slide;
- Don't store explosives, unsealed liquids, hot items, or non-recommended items inside;eg,items hotter than 75°F (approx. 24°C);

NOTE: Children use this device under adult supervision to ensure safety.

7.FCC WARNING

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.These limits are designed to provide reasonable protection against harmful interference. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving anten
- Nancrease the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.
- Consult the dealer or an experienced radio/TV technician for help.

8.APP CONTROL

APP DOWNLOAD AND INSTALLATION: Scan the QR code to download the Setpower Android APP or IOS APP.

NOTE:

More guide videos can be found on the app.

Android IOS

9.RETURN

● CUSTOMER SERVICE & RETURNS:

For damaged or defective products, contact us via:

Email: support@setpowerusa.com(Amazon)
official@setpowerusa.com(Other platforms)

Please include: Order ID, Unit Model, Phone Number, Defect Description, Delivery Address, and relevant videos,MES code. Visual evidence is preferred to expedite resolution.

● RETURN POLICY:

Amazon-Fulfilled: Free returns within Amazon's return window.
Seller-Fulfilled: Free returns for quality-related issues during warranty period.

● REFUND & REPLACEMENT:

All accessories must be returned in original condition/packaging. After shipping, provide the tracking number. Refunds will be processed upon warehouse receipt. Amazon return requests will be addressed within 48 hours via Message Service.

10.OUR GUARANTEE

SetPower products are backed by a 3-year compressor warranty and a 1-year warranty on all other parts from the date of purchase. If your product fails under normal use as outlined in the user guide, you are entitled to a repair, replacement, please refer to the user guide.

Contact us via email:

support@setpowerusa.com



Set Reliable Power Adventure.

SetPower

If you find any damage or malfunction upon receiving the refrigerator, please contact us promptly via email.

Email:

support@setpowerusa.com(Amazon)
official@setpowerusa.com(Other Platforms)

SetPower



3-YEAR WARRANTY