

SUNPIE 15L

SUNPIE 15L Portable Car Refrigerator User Manual

Model: 15L

INTRODUCTION

Thank you for choosing the SUNPIE 15L Portable Car Refrigerator. This manual provides essential information for the safe and efficient operation of your new appliance. Please read these instructions carefully before use and retain them for future reference.

SAFETY INFORMATION

- Ensure the power supply matches the voltage requirements of the refrigerator (DC 12V/24V, AC 100V-110V).
- Do not immerse the unit in water or expose it to rain.
- Keep ventilation openings clear of obstructions to prevent overheating.
- Avoid placing the refrigerator near heat sources or in direct sunlight.
- Do not use abrasive cleaners or sharp objects inside the unit.
- Unplug the unit before cleaning or performing any maintenance.
- 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.

PRODUCT OVERVIEW

The SUNPIE 15L Portable Car Refrigerator is designed for versatile cooling and freezing on the go, featuring a high-quality compressor and multiple power options.

Key Features:

- **Rapid Freezing & Energy Saving:** Equipped with a high-quality compressor, it can cool from 25°C to -20°C in approximately 30 minutes (empty). Rated power consumption is 28W, reducing energy use by about 28% compared to conventional models.
- **Compact Yet Spacious:** Offers a 15L capacity, capable of holding 18 cans (350ml), 10 PET bottles (550ml), or 4 PET bottles (1L). Internal dimensions: 36cm (W) x 17cm (D) x 23cm (H). External dimensions: 43.5cm (W) x 23.5cm (D) x

43cm (H).

- **Wide Temperature Range:** Adjustable from -22°C to 10°C.
- **Excellent Insulation:** Features high-density foamed urethane insulation and a magnetic lid to prevent cold air leakage, maintaining temperature for up to 24 hours after power-off.
- **Quiet Operation:** Designed for low noise, operating at approximately 43dB, suitable for quiet environments like libraries or bedrooms.
- **4-Way Power Supply:** Compatible with DC 12V/24V (car), AC 100V-110V (home), dedicated detachable battery (sold separately), and portable power stations.
- **Detachable Battery (Optional):** 15600mAh battery provides 8-10 hours of freezing (-22°C) or 16 hours of cooling (5°C) at 30°C ambient temperature. Automatically switches to battery power when the car engine is off and charges when the engine is on.

ドイツのコンプレッサー冷凍技術を使い

より早く冷却し、信頼性が高く、耐用年数も長いです。

動作モード



急速冷凍モード



省エネモード

MAX モードでは冷凍時間が短くなり
約 40 分だけで 25°C から ~ 22°C に !
(庫内空っぽ状態で)



Image: The SUNPIE 15L Portable Car Refrigerator, showcasing its compact design and internal capacity.

持ち運びに便利な大きさ！



15Lのちょうどいい容量



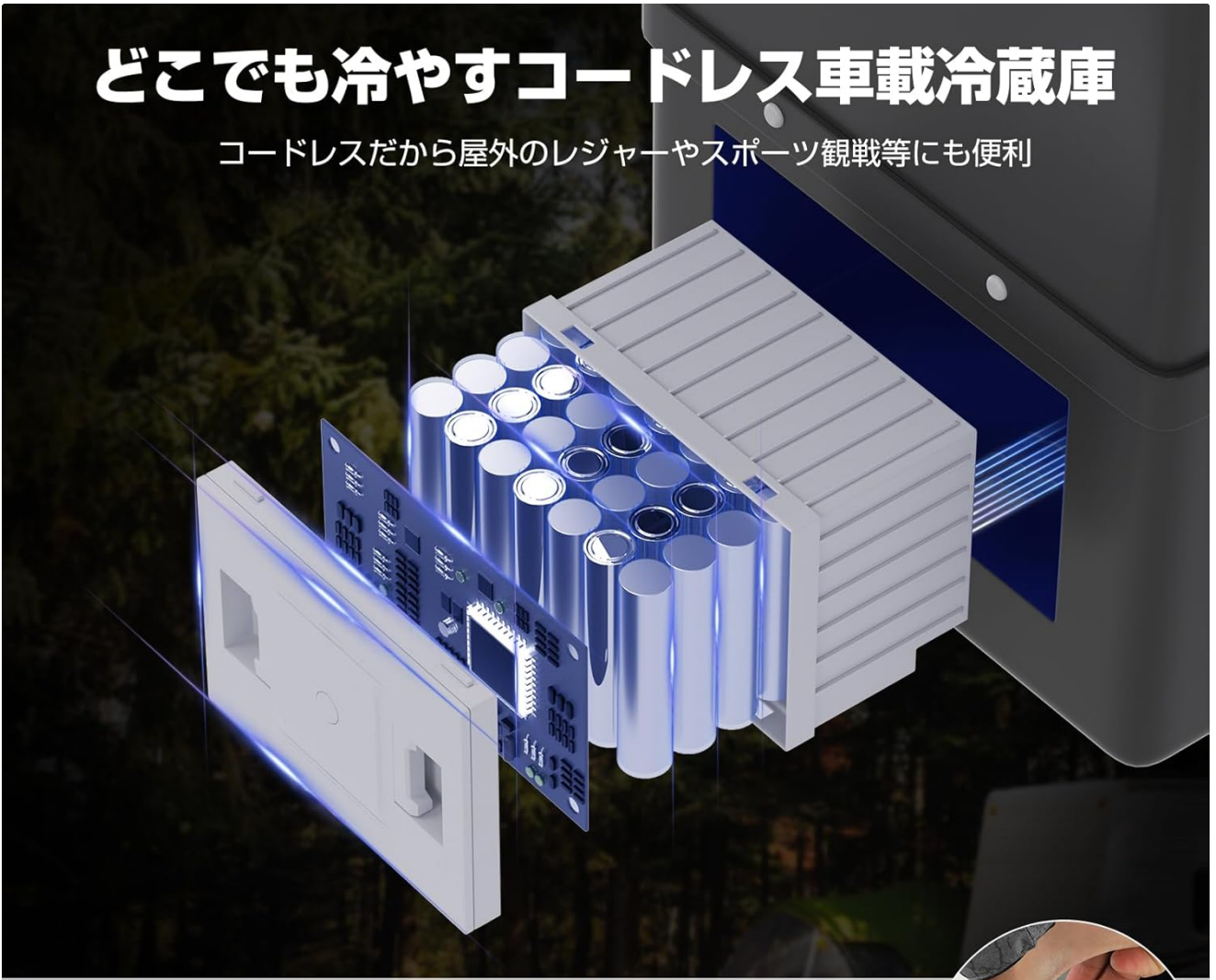
720mlのペットボトルも縦置き可能！ 庫内の高さ230mm



Image: Visual representation of the refrigerator's capacity, illustrating how many drinks it can hold.

どこでも冷やすコードレス車載冷蔵庫

コードレスだから屋外のレジャーやスポーツ観戦等にも便利



 着脱式バッテリー(15600mAh)×1本装着

外気温
30°C

-22°C設定時

約8~10時間分

5°C設定時

約16時間分



両側を押しながら
引きだします

Image: Detailed view of the detachable battery, highlighting its integration with the refrigerator.

年間約4262円の電気代を削減

MAXモードでも消費電力が36Wしかで、
消費電力を最低限に抑えて電気代が節約できます。

15212円
1年間あたり

50w
消費電力

他社



10950円
1年間あたり

36w
消費電力

本社



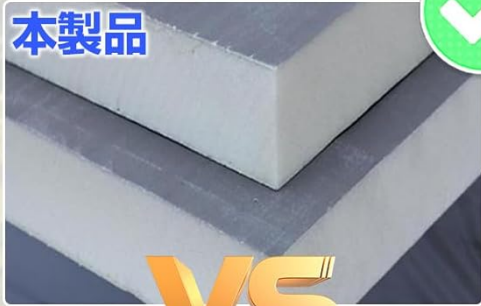
Image: Comparison of energy consumption, demonstrating the energy efficiency of the SUNPIE model.

保冷効果抜群で省エネがポイント

発泡ウレタン材質の保冷層も採用することで、
高い断熱性を発揮し消費電力を抑えて省エネがポイントです。

高密度発泡ウレタン

本製品



他製品

一般のウレタン



24時間以上も
保冷し続けます
室温：20℃～25℃

断熱性

3倍

(省エネ3倍)

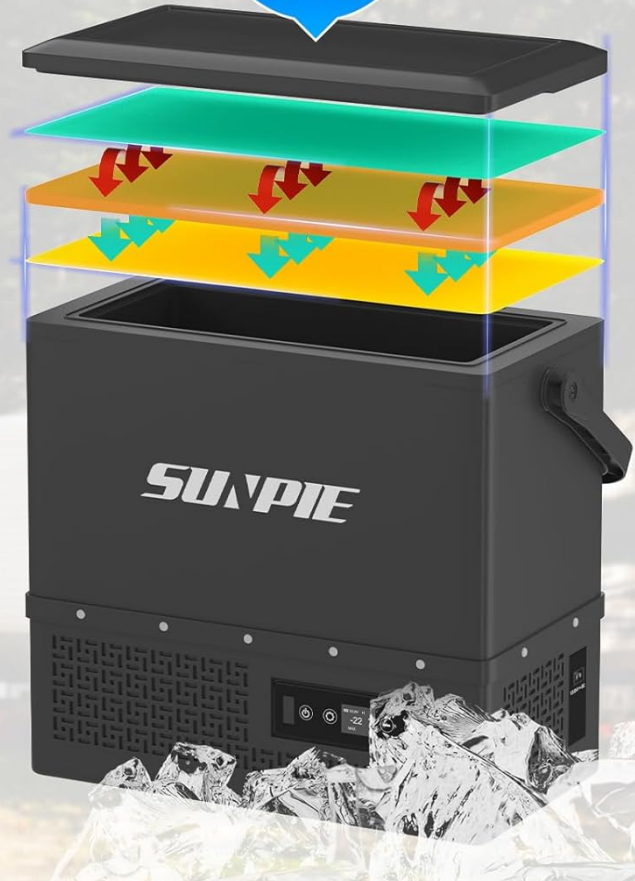


Image: Illustration of the advanced insulation technology used in the refrigerator for enhanced cold retention.

静かな場所でも気にならない静音設計

通常稼働中、音が43dbほど保ち、静かな図書館や住宅地のレベルで、
車中泊や寝室のシーンも対応です。

43dB
静音
デザイン

40db

43db

55db

60db

図書館

SUNPIE
車載冷蔵庫

オフィス

会話

Image: Depiction of the refrigerator's quiet operation, suitable for use in various settings without disturbance.

エンジンが止めても冷やし続ける

バッテリーを装着中にエンジンが切ても自動的にバッテリーから給電する、
しばらく車から離れる時に大変役に立ちます。



Image: The refrigerator positioned in a car, showcasing its compact size and ease of access during travel.

女性でも片手で持ち運べる軽さ9.5kg



Image: A woman easily carrying the refrigerator, emphasizing its lightweight and portable design.

SETUP

1. Unpacking

1. Carefully remove the refrigerator from its packaging.
2. Inspect the unit for any damage. If damaged, do not use and contact customer support.
3. Remove all internal packing materials.

2. Power Connection

Your refrigerator supports 4 power input methods:

- **DC 12V/24V (Car Power):** Connect the DC power cable to the refrigerator's DC input port and then to your vehicle's cigarette lighter socket. Ensure the vehicle's engine is running to prevent battery drain.
- **AC 100V-110V (Home Power):** Connect the AC adapter (if included or purchased separately) to the refrigerator's AC input port, then plug it into a standard wall outlet.
- **Dedicated Detachable Battery (Sold Separately):** Insert the charged 15600mAh battery into the designated slot on

the refrigerator. The unit will automatically switch to battery power when the car engine is off.

- **Portable Power Station:** Connect the refrigerator to a compatible portable power station using the appropriate cable.

3. Initial Use

1. After connecting power, press the power button to turn on the unit.
2. Allow the refrigerator to cool down for at least 30 minutes before placing items inside.

OPERATING INSTRUCTIONS

1. Power On/Off

- Press the **Power** button on the control panel to turn the unit on or off.

2. Temperature Adjustment

- Use the **+** and **-** buttons to set the desired temperature between -22°C and 10°C. The current temperature will be displayed on the LCD screen.

3. Mode Selection (MAX/ECO)

- Press the **SET** button to cycle between MAX (rapid cooling) and ECO (energy-saving) modes.
- MAX mode provides faster cooling but consumes more power.
- ECO mode optimizes for lower power consumption, ideal for extended use.

4. Low Voltage Protection

- The refrigerator features low voltage protection to prevent your vehicle's battery from draining completely. If the input voltage drops below a certain level, the unit will automatically shut off.
- Refer to the product specifications for specific voltage cut-off levels.

5. Detachable Battery Management

- When using the detachable battery, the refrigerator will automatically switch from car power to battery power when the engine is off, ensuring continuous cooling.
- When the engine is restarted, the unit will switch back to car power and simultaneously charge the inserted battery.
- The battery can be charged both when inserted into the unit and when removed and charged independently.

MAINTENANCE

1. Cleaning

1. Always unplug the refrigerator before cleaning.
2. Wipe the interior and exterior surfaces with a damp cloth and mild detergent.
3. Do not use abrasive cleaners, solvents, or harsh chemicals.
4. Ensure the unit is completely dry before reconnecting power.

2. Defrosting

1. The unit features an automatic defrosting system. However, if excessive ice builds up, manually defrost by turning off the unit and leaving the lid open until the ice melts.
2. Drain any water through the drain plug (if available) or wipe it out with a cloth.

3. Storage

1. When not in use for an extended period, clean the unit thoroughly and ensure it is dry.
2. Store the refrigerator in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.
3. It is recommended to leave the lid slightly ajar to prevent odors and mold growth.

TROUBLESHOOTING

If you encounter issues with your refrigerator, please consult the following table before contacting customer support.

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Loose connection; Blown fuse.	Check power cable connection; Ensure power source is active; Check vehicle's fuse.
Not cooling effectively	Temperature setting too high; Poor ventilation; Lid not sealed properly; Too many items inside.	Lower temperature setting; Ensure clear ventilation; Check lid seal; Do not overfill.
Unusual noise (e.g., compressor error sound)	Unit not level; Internal components vibrating; Compressor fault.	Place unit on a flat, stable surface; If noise persists or is accompanied by error codes, contact support.
Low voltage protection activated	Vehicle battery voltage too low.	Start vehicle engine to recharge battery; Switch to dedicated battery or AC power.

SPECIFICATIONS

Attribute	Value
Product Dimensions (D x W x H)	43.5 cm x 23.5 cm x 43 cm
Brand	SUNPIE
Capacity	15 Liters
Configuration	Compact, Freezer Interior
Color	Black
Number of Doors	1
Defrost System Type	Automatic
Voltage	12 Volts
Cooling Method	Compressor Type
Adjustable Temperature Control	Yes
Door Opening	Top Opening
Refrigerant	R134a
Door Material Type	Plastic

Attribute	Value
Item Weight	9.5 Kilograms
Annual Energy Consumption	500 Watts
Special Feature	Energy Star
Manufacturer Model Number	15L
Included Components	DC Adapter
Manufacturer	SUNPIE-JP
Country of Origin	China

WARRANTY AND SUPPORT

Warranty Information

This SUNPIE 15L Portable Car Refrigerator comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, warranty claims, or any questions regarding your product, please contact SUNPIE-JP customer support. Contact details can typically be found on the product packaging or the official SUNPIE website.