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Alpicool V12

Alpicool V12 11L Portable Car Refrigerator User Manual

Model: V12 | Capacity: 11 Liters

1. PRODUCT OVERVIEW

The Alpicool V12 11L Portable Car Refrigerator is designed for versatile cooling and freezing needs, offering a temperature range from -20°C to 20°C. Its compact and lightweight design makes it ideal for various applications, including car travel, camping, outdoor activities, and home use. This unit features a high-efficiency DC compressor, 3-way power compatibility, and an anti-vibration design for stable operation.



Image 1: The Alpicool V12 11L Portable Car Refrigerator with its lid open, revealing bottles stored inside.

2. PACKAGE CONTENTS

Please check the package for the following items:

- Alpicool V12 11L Portable Car Refrigerator Unit
- DC Power Cord (12V/24V, 2.5m)
- AC Power Cord (100-240V, 2.2m)
- User Manual (this document)

自社開発



必要な認証が全部取得



Image 2: A visual representation of the Alpicool V12 refrigerator's main components and the included AC and DC power cords.

3. SETUP AND POWER CONNECTION

The Alpicool V12 offers flexible power options for various environments.

3.1 Powering the Refrigerator

1. **DC 12V/24V (Car Use):** Connect the provided DC power cord to the refrigerator's DC input port and then to your vehicle's cigarette lighter socket. This is suitable for standard cars and large trucks.
2. **AC 100V (Home Use):** Connect the provided AC power cord to the refrigerator's AC input port and then to a standard household power outlet.
3. **Portable Power Supply (Outdoor Use):** For extended outdoor use, connect the refrigerator to a compatible portable power station using the DC power cord. (Portable power supply sold separately).

3Way電源で場所を選ばず使える



Image 3: This image demonstrates the three ways to power the Alpicool V12: via a car's 12V/24V socket, a standard 100V AC wall outlet, or an external portable power supply.

3.2 Initial Placement

Ensure the refrigerator is placed on a stable, level surface. Allow adequate ventilation around the unit, especially near the air intake and exhaust vents, to ensure efficient operation.

Your browser does not support the video tag.

Video 1: This video demonstrates how to connect the Alpicool V12 to various power sources, including DC and AC, and how to power it on. It also shows basic operation of the control panel.

4. OPERATING INSTRUCTIONS

The Alpicool V12 features an intuitive control panel for easy operation.

4.1 Power On/Off

Once connected to a power source, press the power button on the control panel to turn the unit on or off. The digital display will illuminate when the unit is active.

4.2 Temperature Setting

The temperature can be adjusted between -20°C and 20°C. Use the up (▲) and down (▼) arrow buttons to set the desired temperature. A short press adjusts the temperature by 1°C, while a long press allows for rapid adjustment.

4.3 Temperature Unit Switching (°C/°F)

To switch between Celsius (°C) and Fahrenheit (°F), ensure the unit is powered off. Press and hold both the up (▲) and down (▼) buttons simultaneously for 3 seconds. The display will show 'E1'. Press the power button to cycle through E1, E2, E5, etc. Press the 'M' button to select the desired unit.

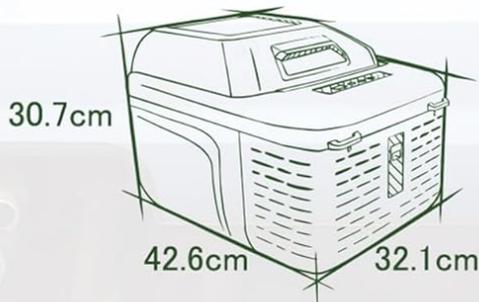
4.4 Memory Function

The refrigerator retains your last temperature setting even after being powered off, eliminating the need to reset it each time you use it.

4.5 Internal Light

The unit is equipped with an internal light, allowing for easy visibility of contents even in low-light conditions.

11L軽量な設計
となっており、持ち運びが楽々



サイズ:
42.6cm × 32.1cm × 30.7cm



本体重量:
6.2kg

Image 4: A detailed view of the control panel, highlighting the digital temperature display and the up, down, and power buttons for operation.

Your browser does not support the video tag.

Video 2: This video demonstrates how to connect the Alpicool V12 to various power sources, including DC and AC, and how to power it on. It also shows basic operation of the control panel, including temperature adjustment and unit switching.

5. PERFORMANCE FEATURES

5.1 Rapid Cooling

Equipped with a variable speed DC compressor, the Alpicool V12 can rapidly cool its contents. It can reach 0°C in approximately 23 minutes from 25°C, and -20°C in about 56 minutes from 25°C. The high-density urethane insulation and three-layer thermal insulation enhance its cooling efficiency and maintain temperature

effectively.



Image 5: This graphic details the Alpicool V12's fast cooling capabilities, showing it cools from 25°C to 0°C in 23 minutes and to -20°C in 56 minutes.

5.2 Quiet and Energy-Efficient Operation

The Alpicool V12 operates with a low noise level of approximately 45dB, making it suitable for use in various environments without causing disturbance. Its power consumption is around 45W, which is energy-efficient compared to typical household refrigerators.

騒音レベルはわずか45dBを実現



Image 6: A comparison chart illustrating the Alpicool V12's quiet operation at 45dB, similar to a library, and significantly quieter than typical car noise.

5.3 Anti-Vibration Design

The unit is designed to operate stably even when tilted up to 45 degrees, making it suitable for use in moving vehicles or uneven outdoor terrain.

5.4 Fixing Holes

The side of the portable refrigerator includes fixing holes. These can be used with a separate fixing belt (sold separately) to securely fasten the unit in a car, on a passenger seat, rear seat, or in a truck, preventing movement during transit.

Your browser does not support the video tag.

Video 3: This video showcases the Alpicool V-Series car refrigerator, highlighting its portability, ease of use, and suitability for various outdoor and travel scenarios. It demonstrates the compact size and how it can be easily transported and set up.

6. MAINTENANCE

6.1 Cleaning

- **Interior:** Clean the interior with a soft cloth dampened with mild detergent and water. Rinse thoroughly and dry completely before closing the lid.
- **Exterior:** Wipe the exterior with a soft, dry cloth. Avoid using abrasive cleaners or solvents that could damage the surface.
- **Vents:** Periodically check and clean the air intake and exhaust vents to ensure they are free from dust and debris, which can impede cooling efficiency.

6.2 Defrosting

The Alpicool V12 features a semi-automatic defrost function. If ice builds up inside, turn off the unit and allow the ice to melt naturally. Wipe away any melted water with a clean cloth. Do not use sharp objects to remove ice.

6.3 Storage

When storing the refrigerator for an extended period, ensure it is clean and dry. Leave the lid slightly ajar to prevent odors and mildew buildup. Store in a cool, dry place away from direct sunlight.

7. TROUBLESHOOTING

If you encounter issues with your Alpicool V12, please refer to the following common problems and solutions:

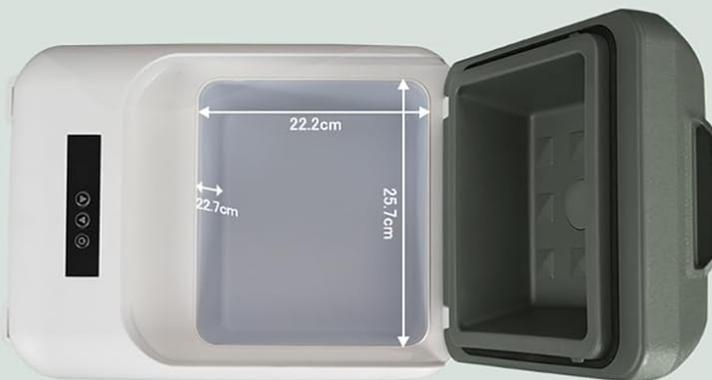
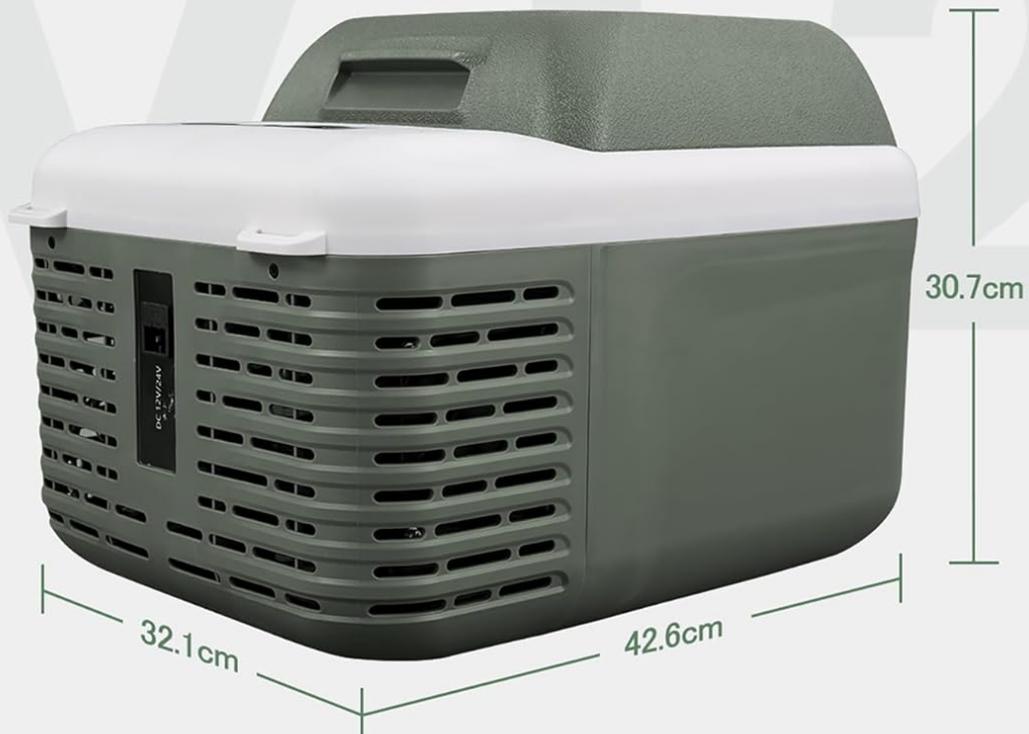
Problem	Possible Cause	Solution
Refrigerator does not turn on	No power supply; Loose connection; Blown fuse in vehicle	Check power connection; Ensure power outlet is working; Check vehicle fuse.
Not cooling sufficiently	Temperature setting too high; Poor ventilation; Excessive contents; Door not sealed properly	Lower temperature setting; Ensure clear vents; Do not overfill; Check door seal for obstructions.
Unusual noise	Unit not level; Fan obstruction; Compressor issue	Place on a level surface; Check fan for debris; If noise persists, contact support.
Error Codes (E1, E2, E5)	These codes typically indicate system errors or specific operational modes. Refer to the detailed manual for specific code meanings.	For E1, E2, E5, and other error codes, consult the full user manual or contact customer support for diagnosis and resolution.

If the problem persists after attempting these solutions, please contact customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	Alpicool
Model	V12
Capacity	11 Liters
Temperature Range	-20°C to 20°C
Power Consumption	Approx. 45W
Input Voltage	DC 12V/24V, AC 100-240V
Dimensions (D x W x H)	32.1 cm x 42.6 cm x 30.7 cm
Weight	6.2 kg
Noise Level	Approx. 45dB
Defrost Function	Semi-automatic
Door Type	Top opening
Special Features	45° Anti-vibration design, Fixing holes, Low voltage protection, Digital display, Memory function, Internal light

V12 – 11L



***15本**
330ml缶



***7本**
500mlペットボトル

Image 7: This image provides a detailed view of the Alpicool V12's external dimensions and illustrates its internal capacity, showing how many 330ml cans and 500ml bottles it can hold.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

- **Compressor:** 3-year warranty.
- **Other Accessories:** 1-year warranty.

Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For any questions or concerns regarding your Alpicool V12 portable refrigerator, please do not hesitate to contact our customer support team. We offer 24-hour support to assist you. Contact details can typically be found on our official website or through your purchase platform.