Alpicool X30

Alpicool X30 Portable Fridge User Manual

Model: X30 Series

Brand: Alpicool

Introduction

Thank you for choosing the Alpicool X30 Portable Fridge. This versatile 12-volt car refrigerator is designed for fast cooling and freezing, making it ideal for various applications such as fishing, camping, RV trips, truck use, and boating. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Alpicool X30 portable fridge.



Figure 1: Alpicool X30 Portable Fridge, showcasing its compact and robust design.

Setup

Before first use, please ensure all packaging materials are removed and the unit is placed on a stable, level surface. Allow the unit to stand upright for at least 6 hours before connecting to power to allow refrigerants to settle.

Power Connection

The Alpicool X30 supports multiple power supply modes for your convenience:

- **12V/24V DC:** Connect to your vehicle's cigarette lighter socket. This is suitable for cars, trucks, RVs, and boats.
- **100-240V AC:** Use the provided AC adapter to connect to a standard household power outlet.
- **Power Station + Solar Panel:** For off-grid use, the unit can be powered by a compatible power station and solar panel setup.

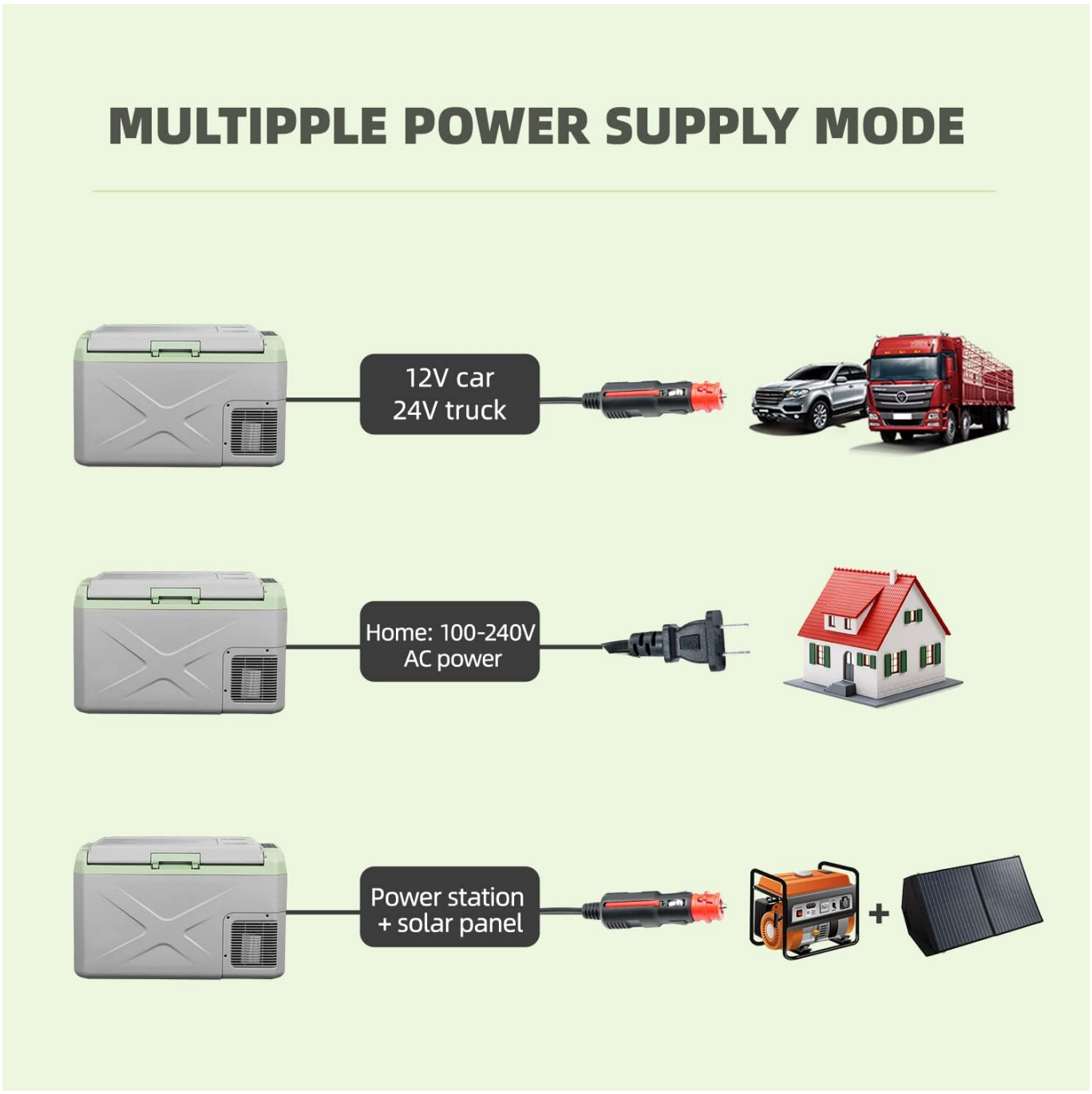


Figure 2: Illustration of various power supply options including 12V/24V DC for vehicles, 100-240V AC for home use, and compatibility with power stations and solar panels.

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Video 1: Demonstrates the setup and connection of the Alpicool X30 portable fridge, including plugging it into a car's power outlet.

Operating Instructions

Control Panel

The Alpicool X30 features an intuitive control panel for easy operation. The digital display shows the current temperature, and buttons allow for temperature adjustment and mode selection.



Figure 3: Close-up of the control panel with buttons for setting, on/off, increasing temperature, and decreasing temperature.

Temperature Setting

The unit offers a wide temperature range from 4°F (-20°C) to 68°F (20°C), allowing it to function as both a refrigerator and a freezer. Use the '+' and '-' buttons on the control panel to set your desired temperature.

- For freezing: Set temperature between 4°F and 32°F (e.g., for meat, frozen meals, ice cream).
- For refrigeration: Set temperature between 32°F and 50°F (e.g., for fruits, vegetables, beverages, dairy).



Figure 4: Visual representation of recommended temperatures for various food items and the unit's fast cooling capabilities.

Battery Protection

The Alpicool X30 features a 3-level battery protection system (Low, Med, High) to prevent your vehicle's battery from running down. Select the appropriate level based on your battery's condition and usage scenario.

- **High:** Provides maximum battery protection, cutting off power at higher voltage levels.
- **Med:** Standard protection, suitable for most applications.
- **Low:** Allows the unit to draw power for longer, suitable when connected to a dedicated auxiliary battery.

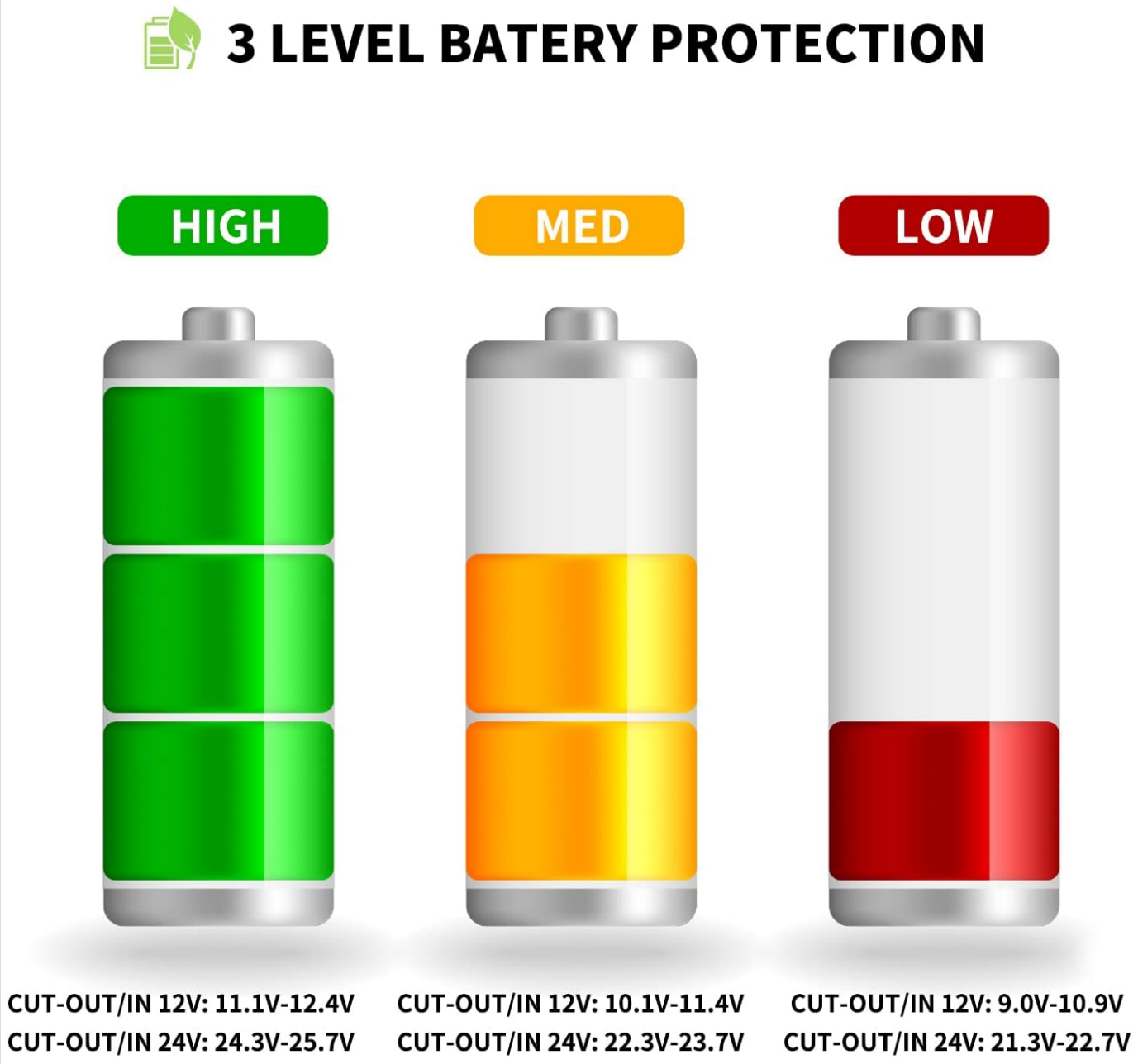


Figure 5: Diagram illustrating the three battery protection levels and their corresponding cut-out/in voltages for 12V and 24V systems.

Capacity and Features

The 32-quart capacity provides ample space for your cooling needs. Key features include:

- **Detachable Fridge Door:** Allows you to reverse the lid for flexible opening direction.
- **Ruler Design:** A convenient ruler is carved on the top for quick measurements.
- **Cup Holders:** Integrated cup holders help prevent spills.
- **Inner LED Light:** Illuminates the interior for easy access in low light conditions.
- **Storage Basket:** Helps organize contents within the main compartment.
- **Bottom Drain Plug:** Designed for easy cleaning and water drainage.

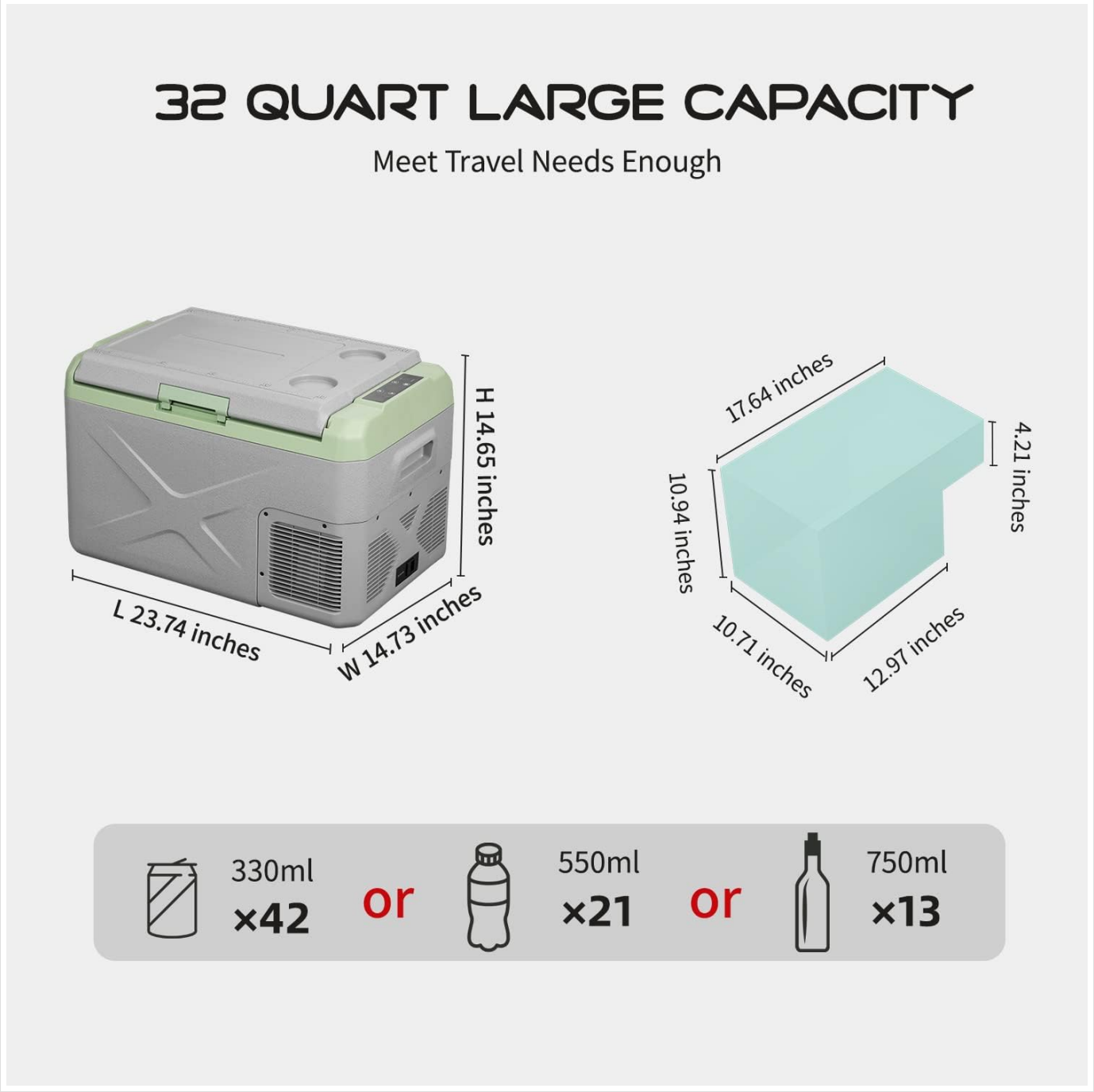


Figure 6: Dimensions and capacity illustration for the 32-quart model, showing how many cans or bottles it can hold.

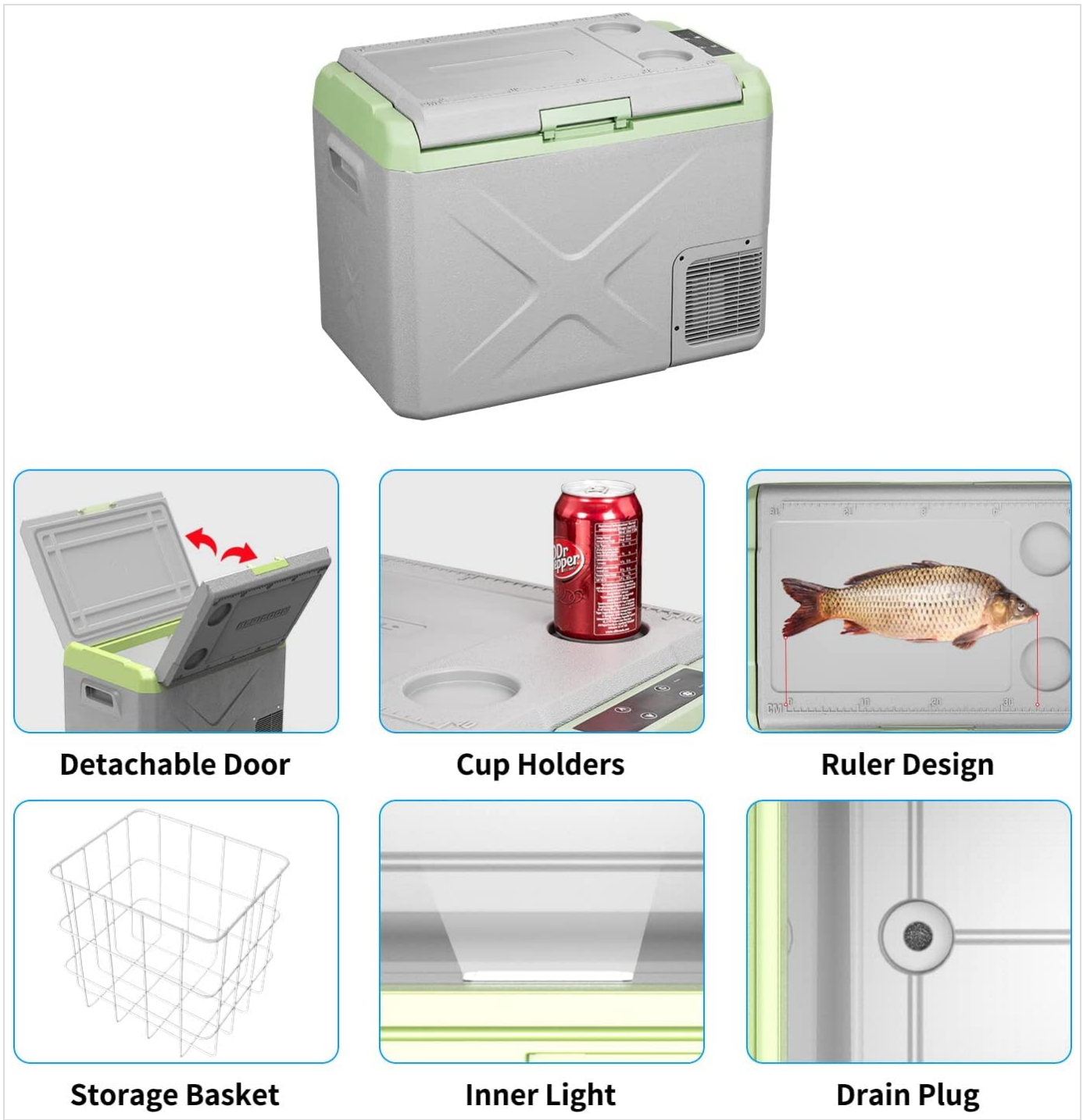


Figure 7: Detailed view of product features including the detachable door, cup holders, integrated ruler, storage basket, inner LED light, and drain plug.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your Alpicool X30 portable fridge.

Cleaning

- Always disconnect power before cleaning.
- Use a soft cloth dampened with mild detergent and water to clean the interior and exterior surfaces.
- Do not use abrasive cleaners or harsh chemicals.
- Utilize the bottom drain plug to easily empty any liquids and facilitate thorough cleaning of the interior.
- Ensure the unit is completely dry before reconnecting power or storing.

Storage

- When not in use for extended periods, ensure the unit is clean and dry.
- Store in a cool, dry place away from direct sunlight and extreme temperatures.
- Leave the lid slightly ajar to prevent odors and mildew buildup.

Troubleshooting

If you encounter issues with your Alpicool X30, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit not powering on.	No power supply; loose connection; vehicle battery low.	Check power cable connection; ensure power source is active; check vehicle battery voltage and adjust battery protection setting.
Unit not cooling sufficiently.	Temperature setting too high; poor ventilation; excessive contents; door not sealed properly.	Lower temperature setting; ensure adequate airflow around the unit; do not overfill; check door seal for obstructions.
Unusual noise from unit.	Unit not level; fan obstruction.	Place unit on a level surface; check for any obstructions around the fan vents.
Error code displayed.	Internal fault.	Refer to the specific error code in the full user manual (if available) or contact customer support.

For persistent issues or problems not listed here, please contact Alpicool customer support.

Specifications

Feature	Detail
Brand Name	Alpicool
Model Info	X-GE
Item Weight	25.6 pounds (approx. 11.6 kg)
Product Dimensions	23.11 x 14.37 x 14.37 inches (approx. 58.7 x 36.5 x 36.5 cm)
Capacity	32 Quart (approx. 0.89 Cubic Feet)
Annual Energy Consumption	150 Kilowatt Hours Per Year
Installation Type	Freestanding
Special Features	Digital Temperature Control
Color	Grey & Green/Khaki
Voltage	12V DC (also 24V DC, 100-240V AC compatible)
Defrost System	Automatic

Feature	Detail
Door Hinges	Reversible
Included Components	Handle

Warranty and Support

Alpicool products are designed for durability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official Alpicool website. Keep your purchase receipt as proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or spare parts, please contact Alpicool customer service through their official channels. You can often find contact information on the product packaging, the brand's official website, or the retailer's product page where you made your purchase.

Online Resources:

- Alpicool Official Store on Amazon: Visit Store

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question