

## Alpicool X50

# Alpicool X50 Portable Fridge/Freezer User Manual

Model: X50  
Brand: Alpicool

## 1. INTRODUCTION

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This user manual provides comprehensive instructions for the safe and efficient operation of your Alpicool X50 Portable Fridge/Freezer. Designed for versatility, this unit is ideal for various applications including fishing, camping, RV trips, truck use, and boating, offering reliable cooling and freezing capabilities on the go.

## 2. SAFETY INSTRUCTIONS

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- Ensure proper ventilation around the unit to prevent overheating. Do not block air vents.
- Avoid placing the unit in direct sunlight or near heat sources.
- Use only the specified power adapters (12/24V DC or 100-240V AC) provided with the unit.
- Do not immerse the unit in water or expose it to excessive moisture.
- Keep out of reach of children.
- Always disconnect power before cleaning or performing maintenance.
- The unit features a car battery protection system. Adjust the protection level (Low, Med, High) according to your vehicle's battery health to prevent discharge.

## 3. PRODUCT FEATURES

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The Alpicool X50 is equipped with several features designed for convenience and performance:

- **Detachable Fridge Door:** The lid can be reversed to change the opening direction, adapting to your space requirements.
- **Integrated Ruler:** A ruler is carved on the top surface for convenient measurements.
- **Cup Holders:** Built-in cup holders help prevent spills.
- **Inner Compartment:** 53-quart capacity with an LED light for easy visibility and a storage basket for organization.

- **Bottom Drain Plug:** Designed for easy cleaning and drainage.
- **Recessed Handles:** For convenient portability and handling.
- **Temperature Memory Function:** Retains your last temperature setting.
- **3-Level Battery Protection:** Adjustable settings (Low, Med, High) to safeguard your vehicle battery.

## MULTIPLE POWER SUPPLY MODE

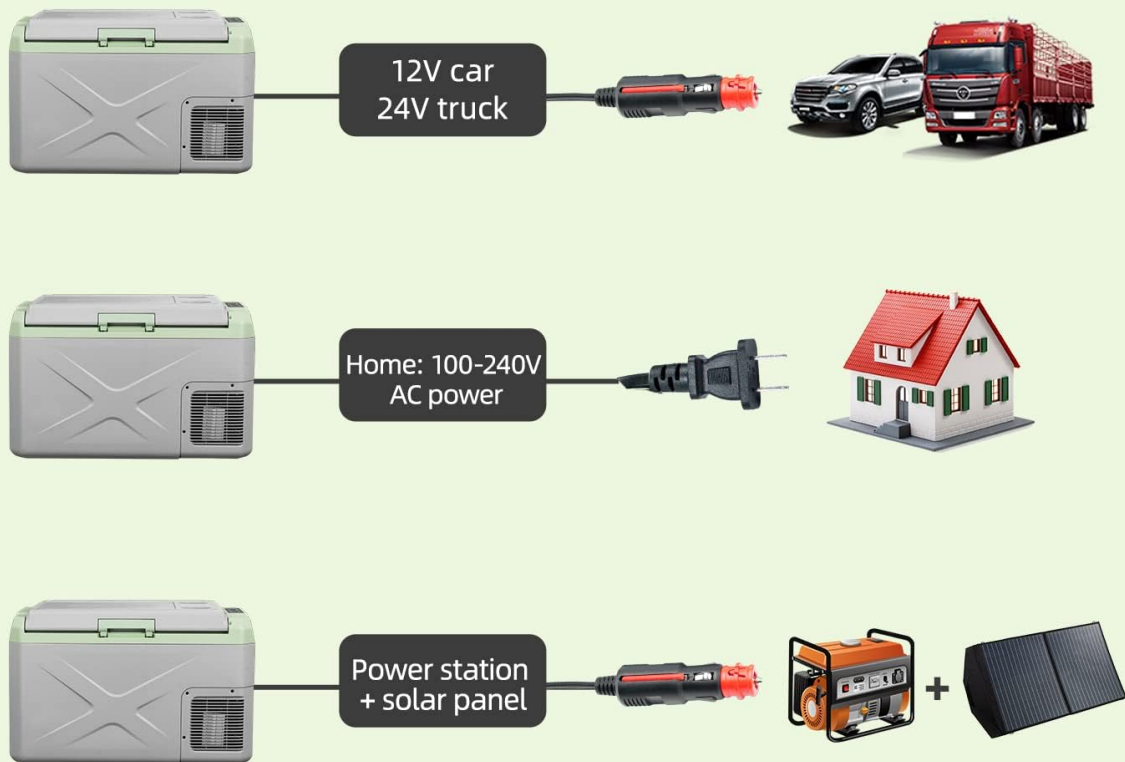
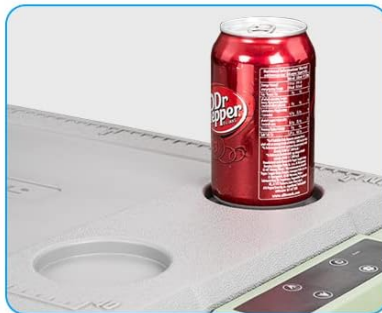


Figure 3.1: Key features of the Alpicool X50 Portable Fridge/Freezer.



**Detachable Door**



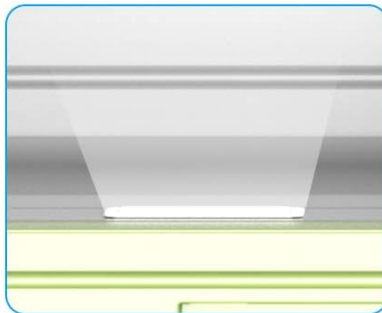
**Cup Holders**



**Ruler Design**



**Storage Basket**



**Inner Light**



**Drain Plug**

Figure 3.2: Temperature performance and power modes (ECO for energy saving, MAX for fast cooling).



## 3 LEVEL BATTERY PROTECTION

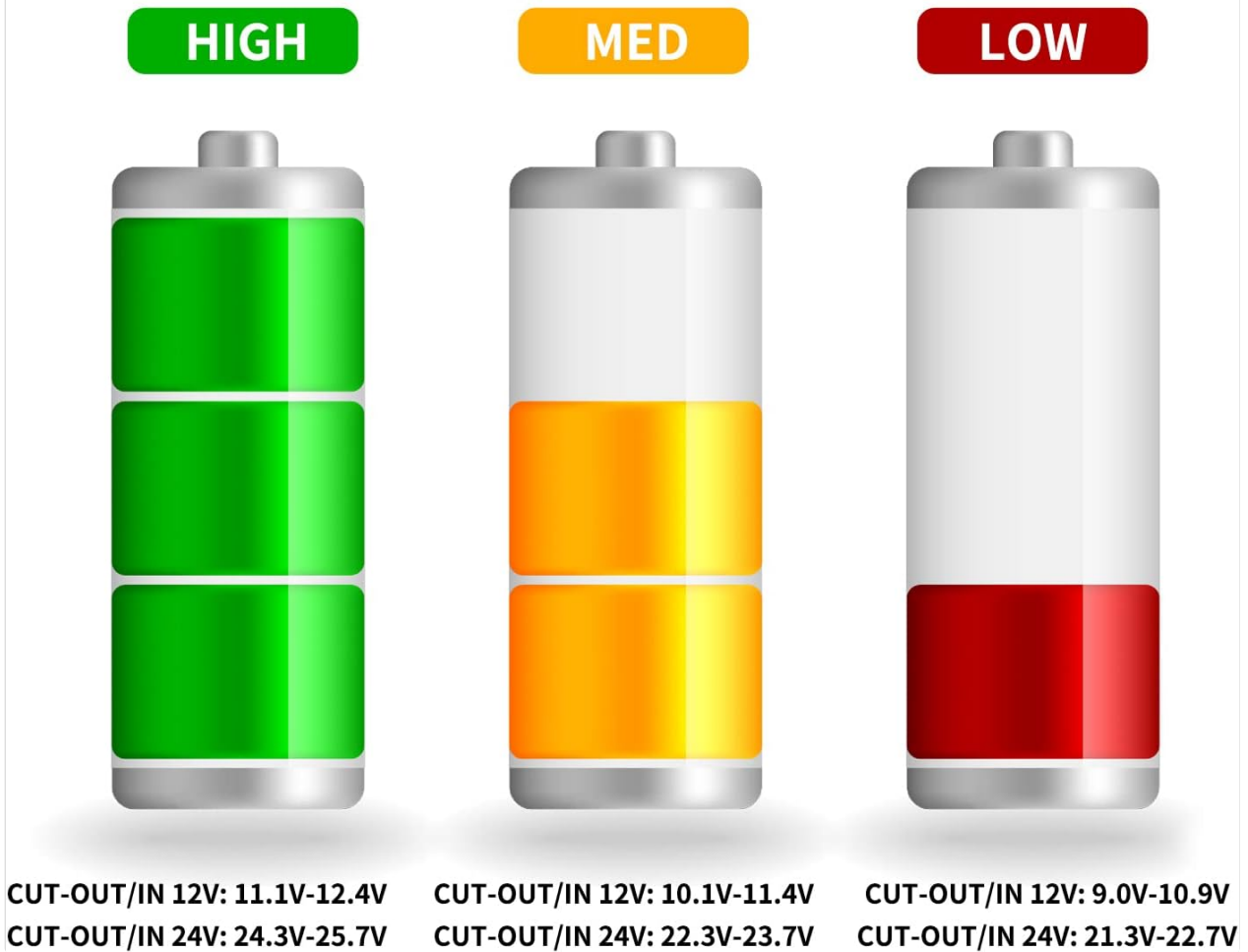


Figure 3.3: Explanation of the 3-level battery protection system.

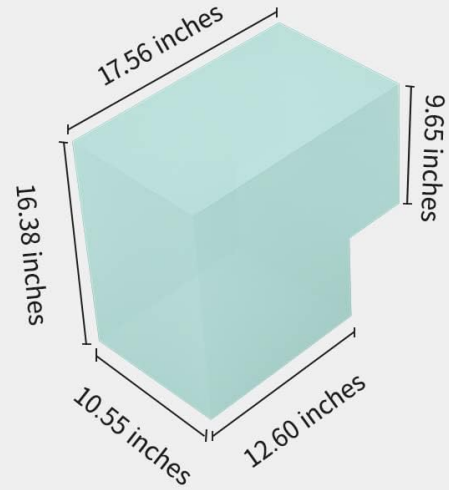
## 4. SETUP

Follow these steps to set up your Alpicool X50 Portable Fridge/Freezer:

1. **Unpacking:** Carefully remove the unit from its packaging. Inspect for any damage.
2. **Placement:** Place the unit on a stable, level surface. Ensure adequate clearance around the vents for proper airflow.
3. **Power Connection:** The Alpicool X50 supports multiple power supply modes.
  - **DC Power (12V/24V):** Connect the DC power cable to the unit and then to your vehicle's 12V or 24V power outlet (cigarette lighter socket).
  - **AC Power (100-240V):** For home or standard wall outlet use, connect the AC power adapter to the unit and then to a 100-240V AC power source.
  - **Power Station + Solar Panel:** The unit can also be powered by a compatible power station and solar panel setup for off-grid use.

# S3 QUART LARGE CAPACITY

Meet Travel Needs Enough



330ml  
**x68**

**or**



550ml  
**x37**

**or**



750ml  
**x20**

Figure 4.1: Alpicool X50 dimensions and capacity examples.

# KEEP FOOD FRESH ALL WAY

Adjustable temperature: -4°F-68°F, nothing gets wet or soggy



50°F :  
Fruit and vegetable



32°F : Drink



1.4°F:  
Ice Cream



-4°F:  
Meet



Figure 4.2: Various power supply options for the Alpicool X50.

Video 4.1: An official Alpicool video demonstrating the features and setup of the X Series Car Fridge Freezer, including placement and power connection.

## 5. OPERATING INSTRUCTIONS

The Alpicool X50 features a user-friendly control panel for easy operation:

1. **Power On/Off:** Press the power button to turn the unit on or off.
2. **Temperature Adjustment:** Use the '+' and '-' buttons to set your desired temperature. The unit can function as a freezer (4°F to 32°F / -20°C to 0°C) or a refrigerator (32°F to 50°F / 0°C to 10°C).
3. **Mode Selection (ECO/MAX):** Press the settings button to cycle between ECO (energy-saving) and MAX (fast cooling) modes.
4. **Battery Protection Setting:** Press and hold the settings button to enter the battery protection menu. Use '+' or '-' to select Low, Med, or High protection levels. This prevents your vehicle battery from draining completely.

## Optional Power Supply Mode



Figure 5.1: Simple control panel for easy operation.

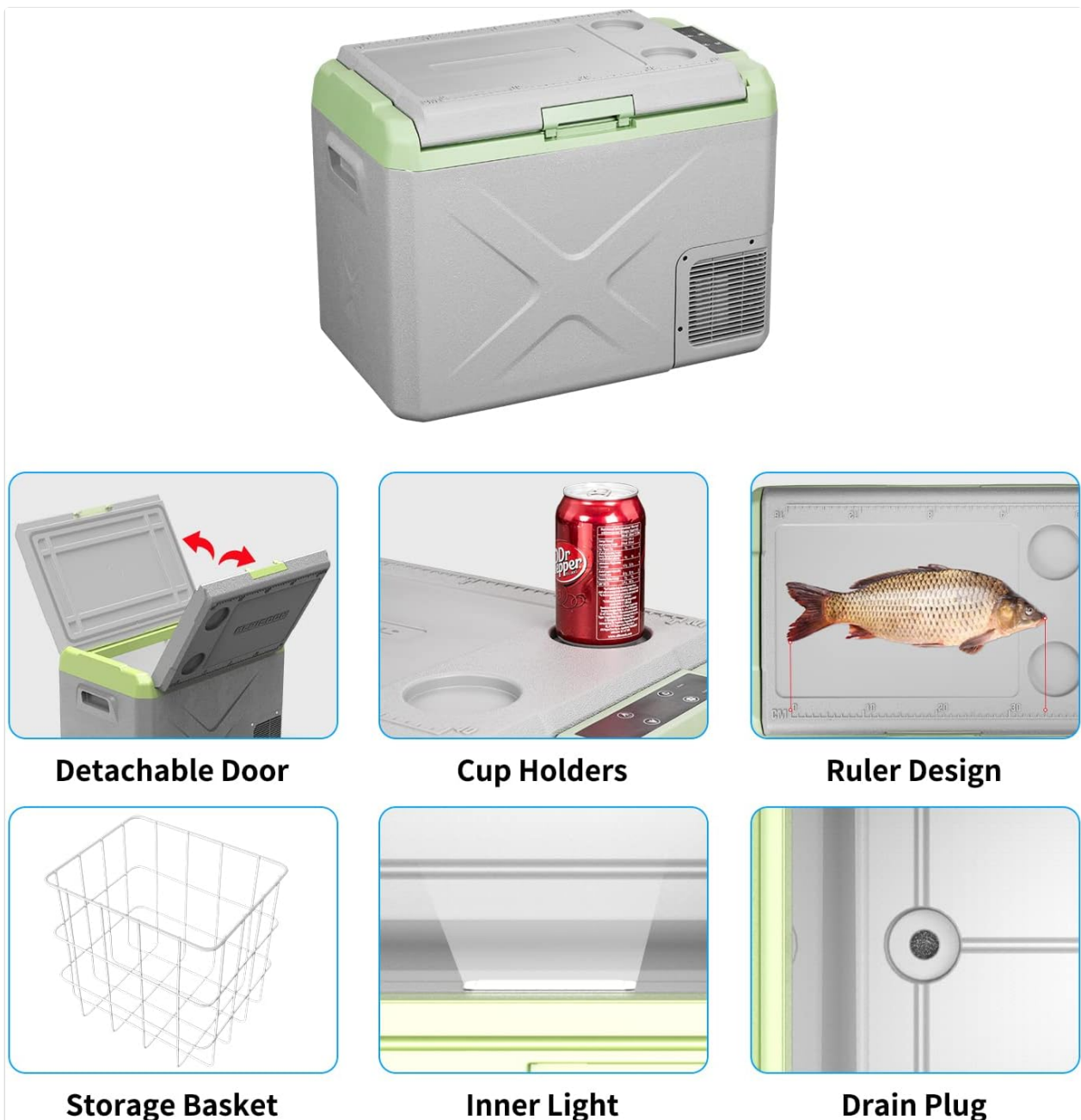


Figure 5.2: Temperature settings and power consumption modes.

Video 5.1: An official Alpicool video demonstrating the control panel and temperature adjustment.

## 6. MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your Alpicool X50:

- **Cleaning:** Clean the interior and exterior of the unit regularly with a damp cloth and mild detergent. Use the bottom drain plug for easy water removal during cleaning.
- **Ventilation:** Keep the air vents clear of dust and debris to ensure efficient cooling.
- **Storage:** When not in use for extended periods, ensure the unit is clean and dry. Store it in a cool, dry place with the lid slightly ajar to prevent odors.
- **Gasket Care:** Periodically check the door gasket for any damage or wear. A clean and intact gasket ensures proper sealing and efficiency.

## 7. TROUBLESHOOTING

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If you encounter issues with your Alpicool X50, refer to the following common troubleshooting tips. For more detailed solutions, please consult the full product manual or contact customer support.

Problem	Possible Cause	Solution
Unit not turning on	No power, loose connection, vehicle battery low.	Check power source, ensure cables are securely connected, check vehicle battery voltage.
Not cooling sufficiently	Blocked vents, ambient temperature too high, door not sealed properly, temperature setting too high.	Clear vents, move to a cooler location, check door seal, lower temperature setting.
Display error codes	Internal fault.	Refer to the full manual for specific error code meanings or contact customer support.

## 8. SPECIFICATIONS

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Specification	Detail
Brand Name	Alpicool
Model Info	X-GE (X50)
Capacity	53 Quart
Item Weight	27.17 Pounds
Product Dimensions	14.73 x 23.74 x 20.16 inches
Annual Energy Consumption	150 Kilowatt Hours Per Year
Installation Type	Freestanding
Form Factor	Chest
Special Features	Digital Temperature Control
Color	Grey&Green/khaki

Specification	Detail
Voltage	12V / 24V DC, 100-240V AC
Defrost System	Automatic
Door Hinges	Reversible
Refrigerant	R-134A

## 9. WARRANTY AND SUPPORT

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For warranty information, product registration, and customer support, please visit the official Alpicool website or contact their customer service department. Keep your purchase receipt as proof of purchase for any warranty claims.

[Visit the Alpicool Store on Amazon](#)