

Alpicool ECX50

Alpicool Portable Refrigerator ECX50 User Manual

Model: ECX50 | Brand: Alpicool

INTRODUCTION

Thank you for choosing the Alpicool ECX50 Portable Refrigerator. This versatile appliance is designed to keep your food and beverages chilled or frozen, making it ideal for car, RV, truck, camping, outdoor activities, and home use. This manual provides detailed instructions for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your unit.

IMPORTANT SAFETY INFORMATION

Please read all safety warnings and instructions carefully before using the appliance to prevent injury or damage.

- Ensure the power voltage matches the appliance's requirements.
- Do not operate the appliance if the power cord is damaged.
- Keep the ventilation openings clear of obstructions.
- Do not use electrical devices inside the refrigerator unless recommended by the manufacturer.
- Avoid placing the appliance in direct sunlight or near heat sources.
- Do not immerse the appliance in water.
- Always disconnect power before cleaning or maintenance.
- This appliance can operate safely on angles up to 45 degrees from horizontal.

PRODUCT OVERVIEW

Components

- Portable Refrigerator Unit
- DC Power Cord (12V/24V)
- AC Adapter (100-240V)
- User Manual

Key Features

- **Large Capacity:** 50 Quart (47.3 Liter) storage space, capable of holding up to 84 cans of cola.
- **Dual Functionality:** Functions as both a refrigerator and a freezer, with a temperature range from -4°F (-20°C) to 68°F (20°C).
- **Trolley Design:** Equipped with heavy-duty handles and wheels for easy transport.
- **Battery Protection:** Features a 3-stage car battery protection system (Low, Med, High) to prevent vehicle battery drain.
- **Efficient Cooling:** High-efficiency compressor with adjustable ECO (45W) and MAX (60W) modes for energy saving or fast cooling.
- **Durable Construction:** Vibration-resistant design and reliable sealing for consistent cooling performance.
- **Multi-Charging Options:** Compatible with 12V/24V DC for car/RV use and 100-240V AC for home use.
- **Intelligent Control Panel:** Digital display for electronic temperature control and mode selection.
- **Non-slip Cup Holders:** Integrated into the lid for convenience.



Figure 1: Alpicool ECX50 Portable Refrigerator with trolley handle extended.

Portable Car Refrigerator-CX50

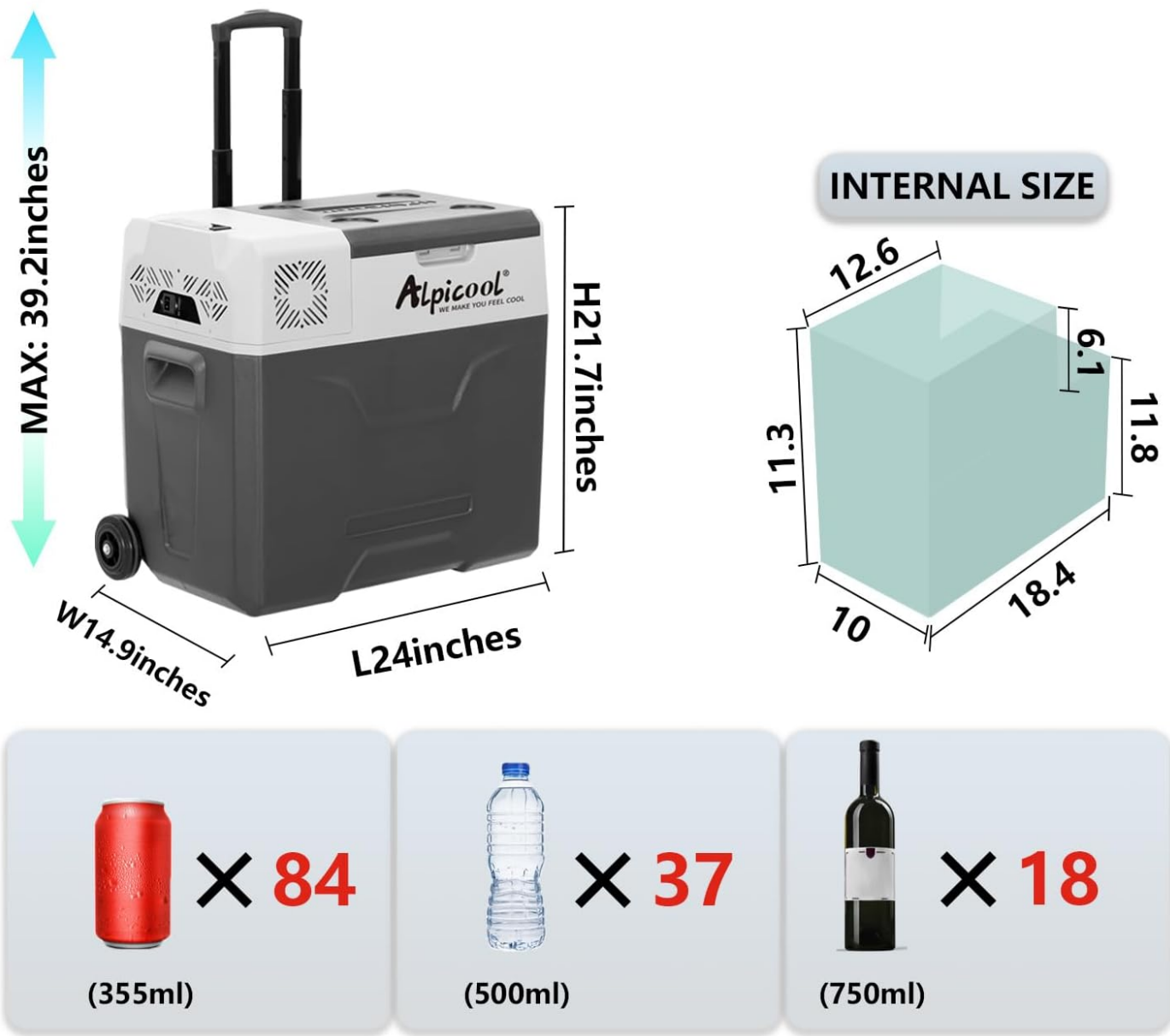


Figure 2: Dimensions of the Alpicool ECX50 and its capacity for various beverages.

TOTAL CAPACITY-50 Qt



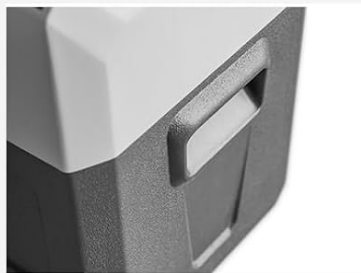
wheels



Door latch



Drain plug



Built in handle



Telescoping handle



Functional top

Figure 3: Close-up views of key features including wheels, door latch, drain plug, built-in handle, telescoping handle, and functional top.

Adjustable Temperature Range:-4°F-68°F

 **As a freezer: -4°F-32°F**



Ice cubes



Ice Cream



Meat



Sea food

 **As a refrigerator: 32°F-68°F**



Beer



Fruits



Vegetable

CX50



Figure 4: Illustration of the adjustable temperature range, allowing use as a freezer (-4°F to 32°F) or refrigerator (32°F to 68°F).

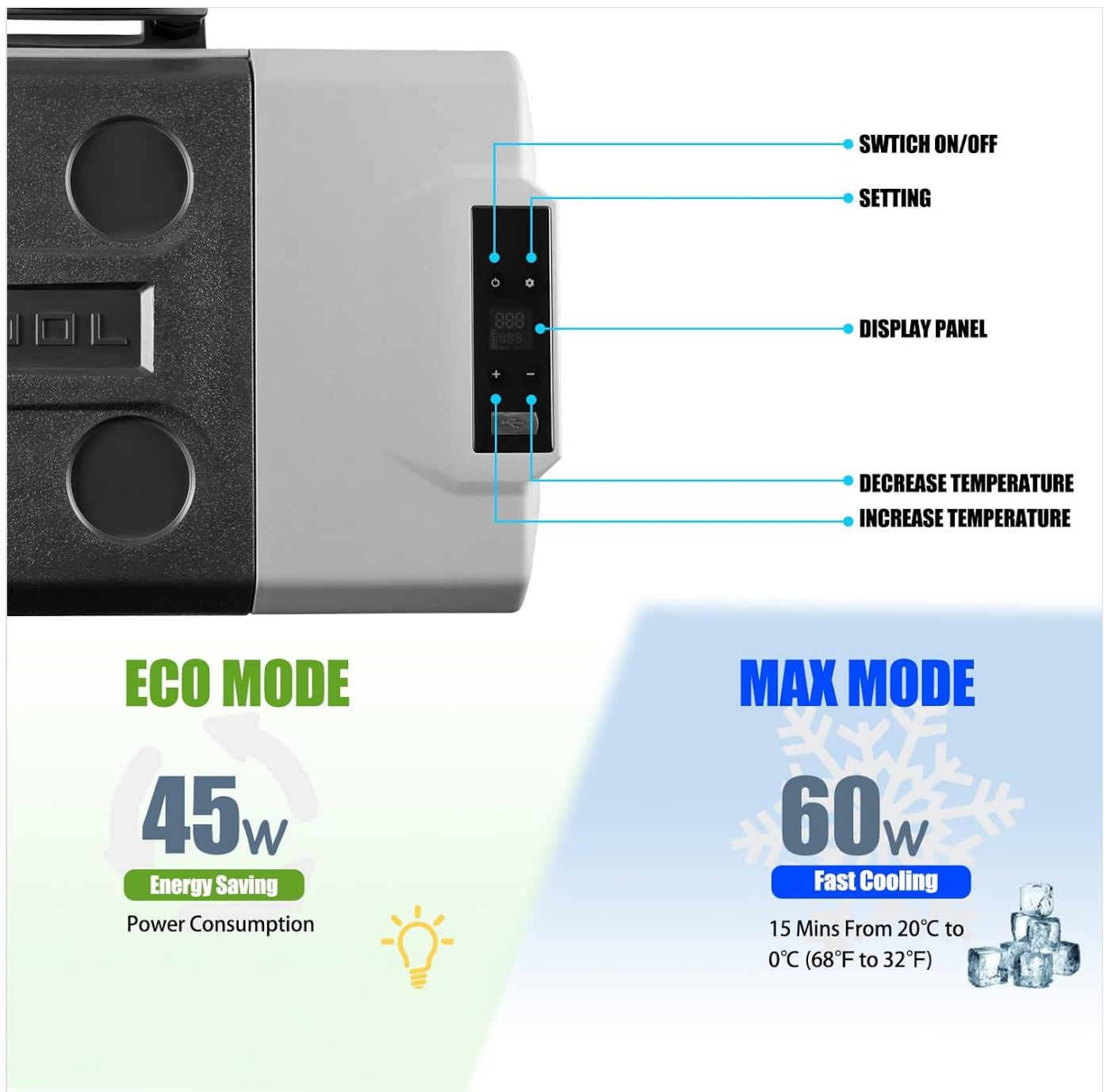


Figure 5: Detail of the control panel and a comparison of ECO (45W) and MAX (60W) power modes.

MULTI CHARGING OPTIONS

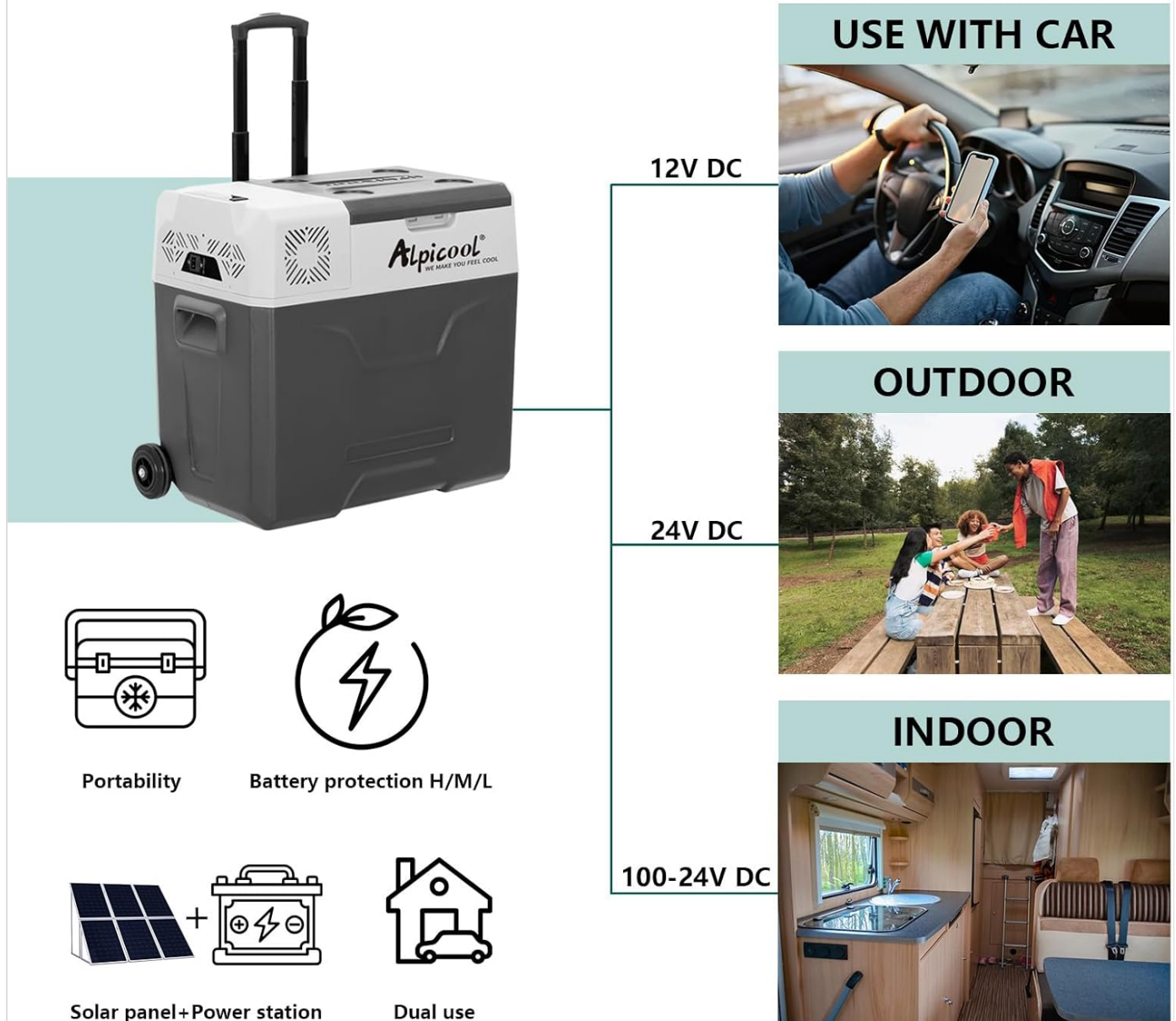


Figure 6: Various charging options for the Alpicool ECX50, including 12V/24V DC for car use and 100-240V AC for indoor use.



Figure 7: The Alpicool ECX50 portable refrigerator stored in a car trunk, demonstrating its compact fit.

SETUP GUIDE

1. **Unpacking:** Carefully remove the refrigerator from its packaging. Retain packaging for future transport or storage.
2. **Placement:** Place the unit on a flat, stable surface. Ensure adequate ventilation around the appliance (at least 10 cm clearance on all sides). Avoid direct sunlight or heat sources.
3. **Initial Cleaning:** Before first use, wipe the interior and exterior with a damp cloth and mild detergent. Dry thoroughly.
4. **Power Connection:**
 - **For Car/DC Use:** Connect the DC power cord to the refrigerator's DC input port and then to your vehicle's 12V/24V power outlet (cigarette lighter socket).
 - **For Home/AC Use:** Connect the AC adapter to the refrigerator's AC input port, then plug the adapter into a standard 100-240V AC wall outlet.

Your browser does not support the video tag.

Video 1: Official Alpicool ECX Series Portable Car Refrigerator overview, demonstrating features like the door latch, handles, telescopic handle, and power connections for car and home use.

5. **Power On:** Press the power button on the control panel to turn on the unit.

OPERATING INSTRUCTIONS

Control Panel

The intelligent LED control panel allows for precise temperature adjustments and mode selection. It typically includes a power button, temperature display, and temperature adjustment buttons (+/-).

Temperature Adjustment

Once powered on, the display will show the current internal temperature. Use the **+** and **-** buttons to set your desired temperature. The unit will automatically adjust to reach and maintain the set temperature. The temperature range is from -4°F (-20°C) to 68°F (20°C).

Power Modes (ECO/MAX)

The Alpicool ECX50 offers two operating modes:

- **ECO Mode (45W):** This mode is designed for energy saving, ideal for prolonged use when power consumption is a concern.
- **MAX Mode (60W):** This mode provides fast cooling, quickly bringing the internal temperature down to your desired level. Use this mode for rapid chilling.
- To switch between modes, press the settings button (often depicted as a gear icon) on the control panel.

Battery Protection System

The unit features a 3-stage battery protection system to prevent your vehicle's battery from running down. You can select the protection level:

- **Low:** Allows the refrigerator to draw power for a longer period, suitable for situations where the vehicle engine is running or a separate power source is used.

- **Med (Medium):** Standard protection level, balancing power draw and battery safety.
- **High:** Provides maximum battery protection, cutting off power sooner to prevent deep discharge of the vehicle battery. Recommended when the vehicle engine is off.
- To adjust the battery protection level, refer to the control panel settings.

MAINTENANCE AND CARE

- **Cleaning:** Regularly clean the interior and exterior of the refrigerator with a damp cloth and mild, non-abrasive detergent. Do not use harsh chemicals or abrasive cleaners.
- **Defrosting:** If ice builds up, turn off the unit and allow the ice to melt naturally. Use the drain plug at the bottom for easy water removal.
- **Ventilation:** Ensure the ventilation grilles are kept clean and free of dust or debris to maintain efficient cooling.
- **Storage:** When not in use for extended periods, ensure the unit is clean and dry. Store with the lid slightly ajar to prevent odors and mold growth.

TROUBLESHOOTING GUIDE

If you encounter issues with your Alpicool ECX50, please refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; Damaged power cord; Blown fuse.	Check power connection; Inspect power cord; Replace fuse if necessary.
Cooling performance is poor.	Insufficient ventilation; Door not sealed properly; Overloaded with warm items; Ambient temperature too high.	Ensure clear vents; Check door seal; Allow warm items to cool before placing inside; Move to a cooler environment.
Display shows an error code.	Specific internal issue (e.g., sensor fault, low voltage).	Refer to the specific error code in the full user manual or contact customer support. Ensure stable power supply.
Unit makes unusual noise.	Unit not level; Fan obstruction; Compressor issue.	Place on a level surface; Check for obstructions around fan; If noise persists, contact support.

TECHNICAL SPECIFICATIONS

Specification	Detail
Model Name	ECX50

Specification	Detail
Capacity	50 Quart (47.3 Liters)
Cooling Range	-4°F to 68°F (-20°C to 20°C)
Power Source	12V/24V DC 100-240V AC
Rated Power	60W (MAX Mode)
Item Dimensions (LxWxH)	24.02 x 14.88 x 21.65 inches (61 x 37.8 x 55 cm)
Net Weight	11.6 Kilograms (25.57 lbs)
Material	Plastic
Warranty	1 Year

SPECIFICATION



Model Name:	ECX50
Capacity:	50 Quart
Cooling Range:	-4°F~68°F(-20°C~20°C)
Power Source:	12/24V DC 100~240V AC
Dimension:	24*14.8*21.6IN
Rated Power:	60W
Net Weight:	14.8kg/32.6lbs

Figure 8: Visual representation of the Alpicool ECX50's dimensions and key specifications.

WARRANTY AND CUSTOMER SUPPORT

The Alpicool ECX50 Portable Refrigerator comes with a **1-year warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical assistance, troubleshooting beyond this guide, or warranty inquiries, please contact Alpicool customer support through the official website or your retailer. Provide your model number (ECX50) and purchase details for faster service.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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