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## Alpicool P18

# Alpicool P18 Portable Fridge User Manual

Model: P18

Brand: Alpicool

## 1. INTRODUCTION

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Thank you for choosing the Alpicool P18 Portable Fridge. This versatile 19-quart (18-liter) refrigerator and freezer is designed for mobile use, perfect for fishing, camping, RV trips, trucks, and boats. It operates on both 12V/24V DC and 100-240V AC power, offering deep chilling performance down to -4°F (-20°C). This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your portable fridge.



Image: The Alpicool P18 Portable Fridge, a compact and versatile cooling solution.

## 2. SAFETY INFORMATION

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

- Ensure the power supply voltage matches the appliance's requirements (12V/24V DC or 100-240V AC).
- Do not operate the appliance if the power cord is damaged or if the appliance is visibly damaged.
- Keep ventilation openings clear of obstructions to ensure proper airflow and prevent overheating.
- Do not immerse the appliance in water or expose it to excessive moisture.
- Avoid touching cold surfaces with bare skin for extended periods, especially when operating at freezing

temperatures, to prevent frostbite.

- 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.
- Always disconnect the power supply before cleaning or performing maintenance.

### 3. PACKAGE CONTENTS

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Verify that all items are present and in good condition upon unpacking.

- Alpicool P18 Portable Fridge Unit
- DC Power Cable (12V/24V for car/truck)
- AC Adapter (100-240V for home use)
- User Manual (this document)
- Ergonomic Handle (pre-installed or included for attachment)

### 4. SETUP

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#### 4.1 Unpacking and Placement

Carefully remove the portable fridge from its packaging. Place the unit on a stable, level surface, ensuring adequate ventilation around all sides, especially the compressor area. Avoid placing it in direct sunlight or near heat sources.

#### 4.2 Power Connection

The Alpicool P18 supports multiple power supply modes:

- **12V/24V DC:** Connect the DC power cable to the fridge's DC input port and then to your vehicle's 12V or 24V power outlet (cigarette lighter socket).
- **100-240V AC:** For home or standard wall outlet use, connect the AC adapter to the fridge's AC input port, then plug the adapter into a 100-240V AC wall socket.
- **Power Station + Solar Panel:** The unit can also be powered by a compatible portable power station, which can be recharged via a solar panel for off-grid use.

# MULTIPLE POWER SUPPLY MODE

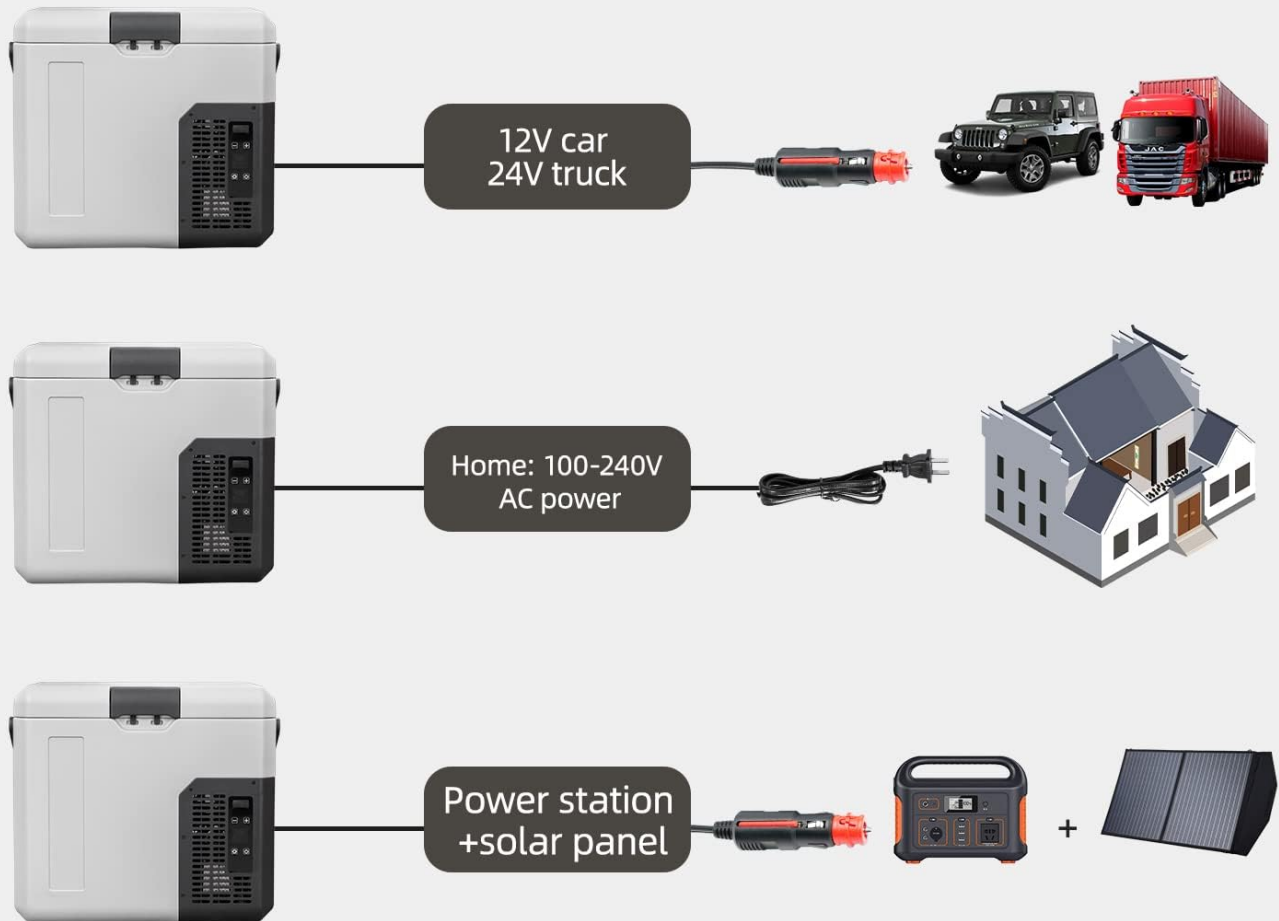


Image: Illustration of various power supply options including 12V/24V DC, 100-240V AC, and solar panel compatibility.

## 5. OPERATING INSTRUCTIONS

### 5.1 Basic Operation

The control panel features a digital display and buttons for easy temperature and setting adjustments.

- **Power On/Off:** Press the power button ( ) to turn the unit on or off.
- **Temperature Adjustment:** Use the '+' and '-' buttons to set your desired temperature. The display will show the current internal temperature. The unit can function as both a fridge and a freezer, reaching temperatures down to -4°F (-20°C).
- **Cooling Modes:** Press the settings button (⚙️) to cycle between cooling modes:
  - **ECO Mode (35W):** Energy-saving mode for extended operation and lower noise.
  - **MAX Mode (45W):** Fast and powerful freezing for quick cooling.

# practical Design



## Digital panel with USB port

Precise temperature control



## Ergonomic handle

Easy to take it alone



## Door gasket

Good sealing properties



Image: Close-up of the digital control panel, showing temperature controls, settings button, and USB port.

# DIFFERENT COOLING MODES

 **ECO**

COOLING MODE:

**35W**

energy saving and low noise running

 **MAX**

COOLING MODE:

**45W**

Fast and powerful freezing



Image: Visual representation of ECO (energy-saving) and MAX (fast cooling) modes.

## 5.2 Car Battery Protection

The unit features a 3-level battery protection system to prevent your vehicle's battery from running down. Press and hold the settings button (⚙️) for 3 seconds to cycle through the battery protection levels: Low, Med, and High.

- **High:** Highest protection, cuts off power at a higher voltage to ensure vehicle starting.
- **Med:** Medium protection, suitable for most situations.
- **Low:** Lowest protection, allows the fridge to run longer but requires careful monitoring of battery voltage.

# 3 LEVEL BATTERY PROTECTION



Image: Diagram illustrating the three battery protection levels (High, Med, Low) and their corresponding cut-off voltages for 12V and 24V systems.

## 5.3 USB Charging Port

The control panel includes a USB socket, allowing you to charge your mobile devices conveniently while the fridge is powered on.

## 5.4 Internal Storage and Temperature Recommendations

The 19-quart (18-liter) capacity offers ample space for various items. The internal compartment is designed with a main fridge/freezer area and a smaller storage room. Recommended temperatures for different food types are:

- Drinks: 41°F (5°C)
- Fruits: 41-46°F (5-8°C)
- Wine: 50°F (10°C)
- Ice-cream: 14°F (-10°C)
- Meat: 0°F (-18°C)

# KEEP COOL ALL THE TIME

## ① Fridge/Freezer

8.31\*8.35\*12.48 inches



Recommend Temperature for Food Storage				
<b>Drinks</b>	<b>Fruits</b>	<b>Wine</b>	<b>Ice-cream</b>	<b>Meat</b>
				
<b>41°F</b>	<b>41-46°F</b>	<b>50°F</b>	<b>14°F</b>	<b>0°F</b>

## ② Storage Room

5.94\*8.35\*2.8 inches

Image: Overhead view of the fridge's interior, showing the main compartment and smaller storage area, along with recommended temperatures for various food items.

## 5.5 Product Demonstration Video

Your browser does not support the video tag.

Video: An official demonstration of the Alpicool P18 Portable Car Refrigerator, showcasing its features, capacity, and ease of use in various settings.

## 6. MAINTENANCE

### 6.1 Cleaning

Regular cleaning helps maintain hygiene and efficiency.

- Always disconnect power before cleaning.
- Clean the interior and exterior with a damp cloth and mild detergent. Avoid abrasive cleaners or solvents.

- Ensure the drainage hole (if present) is clear to prevent water accumulation.
- Clean the ventilation grilles regularly to prevent dust buildup, which can affect cooling performance.

## 6.2 Door Gasket Care

The door gasket ensures an airtight seal, crucial for efficient cooling. Keep it clean and free of debris.

- Wipe the gasket regularly with a damp cloth.
- Check for any cracks or damage. A damaged gasket can lead to poor cooling performance and increased energy consumption.



Image: Close-up view of the door gasket, highlighting its importance for sealing.

## 6.3 Storage

When storing the fridge for extended periods, ensure it is clean and dry. Leave the lid slightly ajar to prevent odors and mold growth.

## 7. TROUBLESHOOTING

Before contacting customer support, please refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
Appliance does not turn on.	No power, loose connection, damaged power cable, vehicle battery low.	Check power source, ensure cables are securely connected. Check vehicle battery voltage and battery protection setting (try 'Low').
Cooling performance is poor.	Insufficient ventilation, door not sealed properly, ambient temperature too high, too many items inside.	Ensure proper ventilation, check door gasket for seal, avoid direct sunlight, do not overfill. Set to MAX cooling mode.
Display shows an error code.	Specific internal fault.	Refer to the full user manual for specific error code meanings. Try restarting the unit. If persistent, contact support.
Unit is noisy.	Operating in MAX mode, unit not level, fan obstruction.	Switch to ECO mode if maximum cooling is not required. Ensure unit is on a level surface. Check for any obstructions around the fan.

## 8. SPECIFICATIONS

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Feature	Detail
Brand	Alpicool
Model	P18
Capacity	19 Quart (18 Liters)
Exterior Size	16.3" x 12.8" x 18.8" (approx. 41.4cm x 32.5cm x 47.8cm)
Product Dimensions (D x W x H)	13.2"D x 23"W x 9"H (approx. 33.5cm x 58.4cm x 22.9cm)
Item Weight	21.8 Pounds (approx. 9.89 kg)
Cooling Performance	-4°F to 68°F (-20°C to 20°C)
Voltage	12V/24V DC, 100-240V AC
Power Consumption (ECO/MAX)	35W (ECO) / 45W (MAX)
Special Features	Compact, Digital Display, USB Charging Port, 3-Level Battery Protection, Ergonomic Handle
Material	Plastic

# Alpicool P18 Portable Car Freezer

Compact capacity for daily need



**19**  
**Quart**  
**Capacity**

## Product Dimension

**L: 17.52 "**

**W: 11.61 "**

**H: 16.26 "**

**weight: 18.5 lbs**



Fast Freeze



Anti-shaking



Mute Low Noise



-4°F to 68°F  
Temperature range

Image: Overview of the Alpicool P18 showing key features and dimensions.

## 9. WARRANTY AND SUPPORT

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

For technical support, troubleshooting assistance beyond this manual, or warranty inquiries, please contact Alpicool customer service through their official channels. You can often find contact information on the product packaging or the brand's official website.

**Alpicool Store:** [Visit Alpicool on Amazon](#)

