

Alpicool TAW45

Alpicool TAW45 Portable Car Refrigerator User Manual

Model: TAW45

1. IMPORTANT SAFETY INFORMATION

Please read this manual carefully before operating your Alpicool TAW45 portable car refrigerator. Keep it for future reference. Failure to follow these instructions may result in product damage or personal injury.

- Ensure proper ventilation around the refrigerator. Do not block air vents.
- Do not use electrical appliances inside the refrigerator.
- Do not expose the refrigerator to rain or heavy moisture.
- Avoid placing the refrigerator near heat sources or direct sunlight.
- Always disconnect power before cleaning or performing maintenance.
- 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 concerning use of the appliance by a person responsible for their safety.

2. PRODUCT OVERVIEW

The Alpicool TAW45 is a versatile portable car refrigerator designed for efficient cooling and freezing on the go. It features a powerful compressor, dual temperature zones, and robust construction for various outdoor and indoor applications.



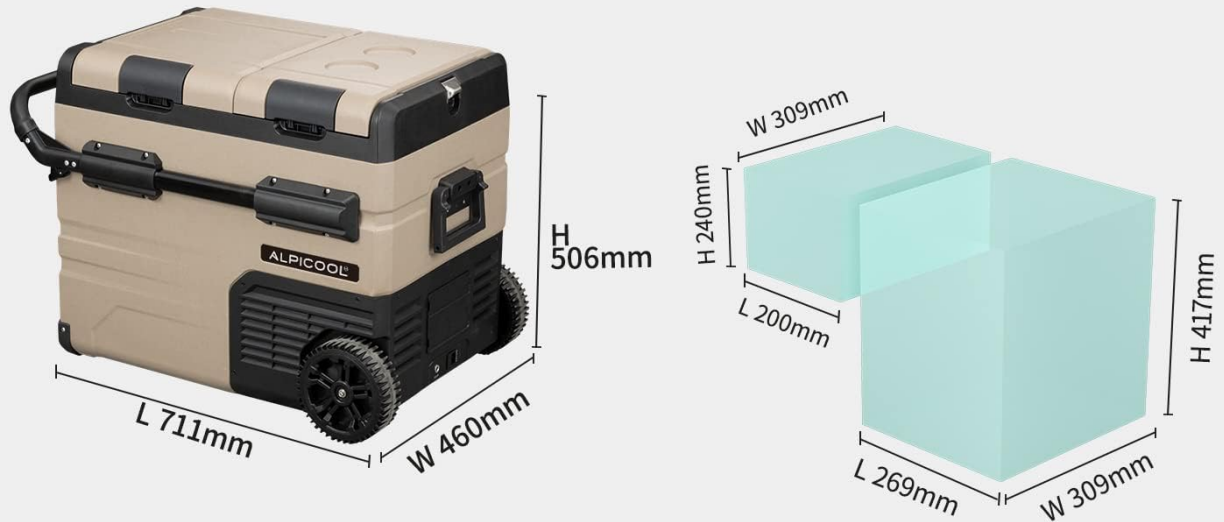
Figure 2.1: The Alpicool TAW45 portable car refrigerator, showcasing its design and connectivity with a smartphone application for control.

Key Features:

- **Efficient Cooling:** Reaches temperatures as low as -20°C with a powerful compressor.
- **Dual Modes:** Features MAX (fast cooling) and ECO (energy-saving) modes.
- **Large Capacity:** 45L capacity with two compartments for separate temperature control.
- **Battery Protection:** 3-level battery protection (Low, Medium, High) to prevent vehicle battery drain.
- **Multiple Power Options:** Compatible with 12V/24V DC (car/truck) and 100-240V AC (home) power.
- **Portable Design:** Equipped with 2 large wheels and a pull handle for easy transport.
- **Convenient Features:** Removable basket, built-in LED light, and drainage outlet for easy cleaning.

45L LARGE CAPACITY

Meet Travel Needs Enough



330ml
x66

or



550ml
x48

Figure 2.2: Dimensions of the Alpicool TAW45 (L 711mm x W 460mm x H 506mm) and its capacity, holding up to 66 x 330ml cans or 48 x 550ml bottles.

KEEP FOOD FRESH ALL WAY

Adjustable temperature: -20°C ~ 20°C , nothing gets wet or soggy



10°C :
Fruit and vegetable



0°C : Drink



-17°C :
Ice Cream



-20°C :
Meat



Figure 2.3: Recommended temperature settings for different food items (e.g., 10°C for fruit, -20°C for meat) and a comparison of ECO (45W) and MAX (60W) power modes.

3. SETUP

3.1 Unpacking

1. Carefully remove the refrigerator from its packaging.
2. Inspect the unit for any signs of damage. If damaged, do not operate and contact customer support.
3. Allow the refrigerator to stand upright for at least 6 hours before connecting to power. This allows the refrigerant to settle.

3.2 Placement

- Place the refrigerator on a flat, stable surface to ensure proper operation and prevent tipping.
- Ensure adequate ventilation around the unit. Leave at least 10 cm of space on all sides for air circulation.
- Avoid direct sunlight, rain, or excessive heat.
- The unit is designed to be anti-shake and anti-shock, safe to run at angles less than 45° for short periods.



Figure 3.1: The Alpicool TAW45 is designed with 45° anti-shake and anti-shock features, allowing it to operate safely on uneven terrain for short durations.

3.3 Power Connection

The Alpicool TAW45 supports multiple power supply modes:

- **12V/24V DC:** Use the provided DC power cord to connect to your car's cigarette lighter socket or a 24V truck power outlet.
- **100-240V AC:** Use the provided AC adapter to connect to a standard home power outlet.
- **Portable Power Station/Solar Panel:** The unit can also be powered by a compatible portable power station or solar panel (requires appropriate controller and battery, not included).

MULTIPLE POWER SUPPLY MODE

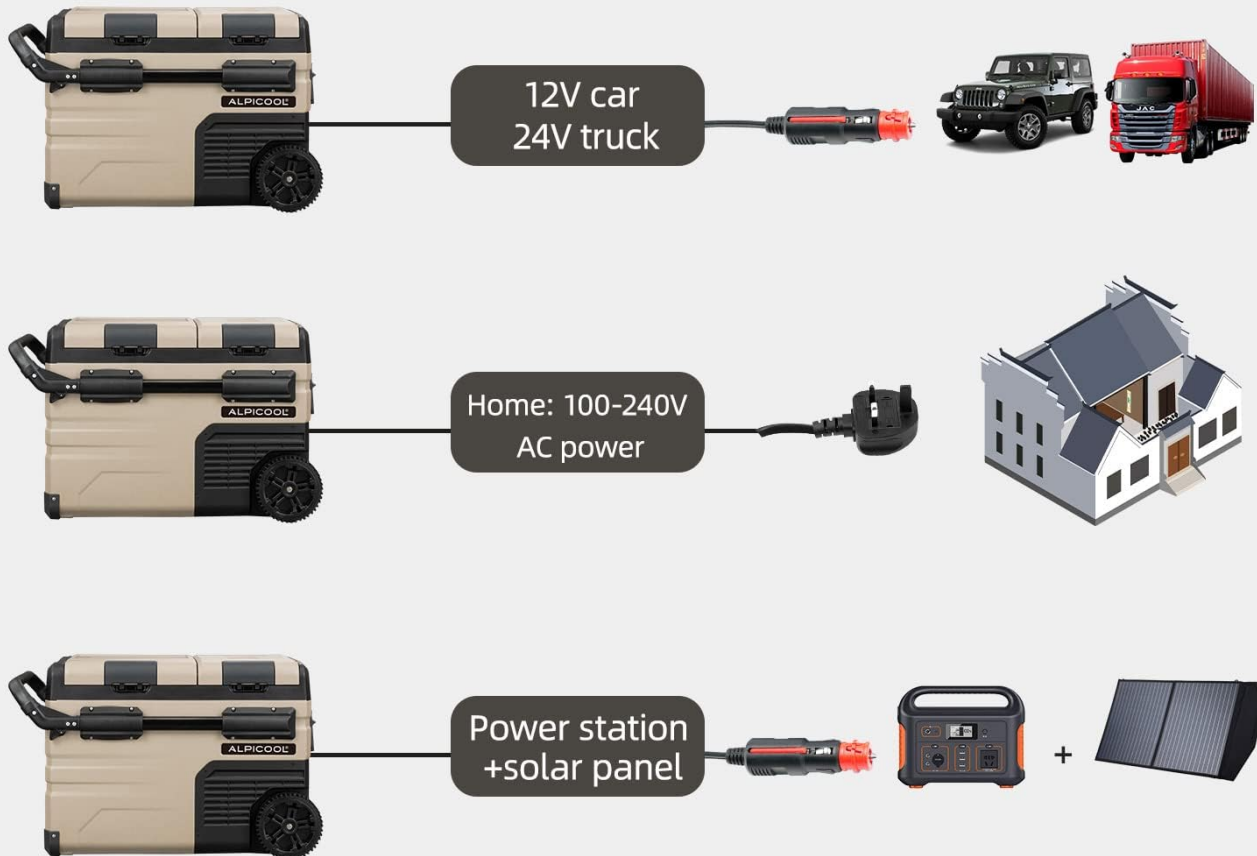


Figure 3.2: Illustration of the various power supply options for the Alpicool TAW45, including vehicle DC, household AC, and external power stations with solar panels.

4. OPERATING INSTRUCTIONS

4.1 Control Panel

The control panel is located on the front of the unit. It typically includes a display, temperature adjustment buttons, and mode selection buttons. Refer to the specific button layout on your unit.

4.2 Power On/Off

- Press the power button to turn the unit on or off.

4.3 Temperature Setting

- Use the '+' and '-' buttons to adjust the desired temperature for each compartment.
- The display will show the current temperature and the set temperature.

4.4 Mode Selection (MAX/ECO)

- Press the mode button to switch between MAX and ECO modes.
- **MAX Mode:** Provides faster cooling, suitable for quickly reaching desired temperatures.
- **ECO Mode:** Optimizes energy consumption, ideal for prolonged use and battery efficiency.

4.5 Battery Protection Settings

The refrigerator features a 3-level battery protection system to prevent your vehicle's battery from draining completely. Adjust this setting based on your needs.

- **HIGH:** Provides maximum protection for your vehicle battery. The refrigerator will cut off power at a higher voltage.
- **MED (Default):** Standard protection.
- **LOW:** Allows the refrigerator to operate at a lower voltage before cutting off, useful if connected to a dedicated auxiliary battery.

3 LEVEL BATTERY PROTECTION



Figure 4.1: Visual representation of the three battery protection levels (High, Med, Low) and their respective cut-out voltages for both 12V and 24V power sources.

4.6 Smartphone App Control

The Alpicool TAW45 can be controlled via a smartphone application. Download the official Alpicool app from your device's app store. The app allows for remote temperature adjustment, mode selection, and monitoring of battery status.

5. MAINTENANCE

5.1 Cleaning

- Always disconnect the power supply before cleaning.
- Clean the interior and exterior surfaces with a damp cloth and mild detergent.

- Do not use abrasive cleaners or solvents.
- The integrated drainage outlet facilitates easy cleaning by allowing water to drain out.
- Ensure the unit is completely dry before reconnecting power.

5.2 Storage

- If storing for an extended period, ensure the refrigerator is clean and dry.
- Leave the lid slightly ajar to prevent odors and mold growth.
- Store in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your Alpicool TAW45, please refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|-----------------------------|---|--|
| Refrigerator not turning on | <ul style="list-style-type: none"> • No power supply • Loose connection • Vehicle battery low • Blown fuse | <ul style="list-style-type: none"> • Check power outlet/cigarette lighter • Ensure cables are securely connected • Charge vehicle battery or adjust battery protection setting • Check and replace fuse if necessary |
| Not cooling effectively | <ul style="list-style-type: none"> • Blocked ventilation • Door not closed properly • Ambient temperature too high • Too much content inside • ECO mode selected | <ul style="list-style-type: none"> • Clear vents • Ensure lid is sealed • Move to a cooler environment • Reduce content or allow more time to cool • Switch to MAX mode for faster cooling |
| Unusual noise | <ul style="list-style-type: none"> • Unit not level • Vibrations from vehicle | <ul style="list-style-type: none"> • Place on a flat surface • Ensure unit is secured in vehicle |

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

7. SPECIFICATIONS

| Specification | Value |
|---------------|-----------|
| Model | TAW45 |
| Capacity | 45 Litres |

| Specification | Value |
|---------------------------|--|
| Cooling Temperature Range | -20°C to 20°C |
| Input Voltage (DC) | 12V / 24V |
| Input Voltage (AC) | 100-240V |
| Rated Power (ECO/MAX) | 45W / 60W |
| Material | Plastic, Metal, Polyurethane Foam (insulation) |
| Dimensions (L x W x H) | 71.1 x 46 x 50.6 cm |
| Item Weight | 19.19 Kilograms |
| Special Features | Portable, Casters, Anti-shake & Anti-shock |

8. WARRANTY AND SUPPORT

Alpicool products are manufactured to high-quality standards. For warranty information and customer support, please refer to the warranty card included with your purchase or visit the official Alpicool website. Keep your proof of purchase for warranty claims.

For technical assistance, troubleshooting not covered in this manual, or spare parts, please contact Alpicool customer service.