

AAOBOSI XS55

AAOBOSI Portable Compressor Cooler (Model XS55) User Manual

Model: XS55

1. IMPORTANT SAFETY INSTRUCTIONS

Please read all instructions carefully before using the AAOBOSI Portable Compressor Cooler. Retain this manual for future reference. Failure to follow these safety guidelines may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Ensure the power supply voltage matches the cooler's requirements (12V/24V DC or 100-240V AC). Do not use damaged power cords or adapters. Avoid operating the cooler in wet conditions or immersing it in water.
- **Ventilation:** Always ensure adequate ventilation around the cooler. Do not block the air vents, as this can lead to overheating and reduced performance. Maintain at least 10 cm of space around all sides.
- **Placement:** Place the cooler on a stable, level surface. Avoid placing it in direct sunlight or near heat sources. The cooler is designed with a 45° anti-tilt feature, allowing stable operation even on uneven terrain.
- **Flammable Materials:** Do not store explosive substances such as aerosol cans with flammable propellants in this appliance. Keep flammable materials away from the cooler.
- **Children:** 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. Children should be supervised to ensure that they do not play with the appliance.
- **Cleaning:** Always unplug the cooler before cleaning. Use a damp cloth and mild detergent. Do not use abrasive cleaners or sharp objects.

2. PRODUCT OVERVIEW

The AAOBOSI Portable Compressor Cooler Model XS55 is a versatile cooling and freezing solution designed for various applications, including automotive, home, camping, and outdoor travel. It features a robust compressor for efficient cooling and a user-friendly design.

2.1 Components Included

- 1x AAOBOSI Compressor Cooler (Model XS55)
- 2x Storage Baskets

- 1x AC Power Cable (100-240V)
- 1x DC Power Cable (12V/24V)
- 1x User Manual

2.2 Key Features

- **Dual Zone Functionality:** Equipped with two independent compartments, allowing for simultaneous cooling and freezing at different temperatures.
- **Wide Temperature Range:** Capable of cooling from 20°C down to -20°C.
- **Fast Cooling & Energy Saving Modes:** Features MAX mode for rapid cooling and ECO mode for optimized energy consumption.
- **Low Noise Operation:** Operates at a noise level below 45 dB, ensuring a quiet environment.
- **Anti-Vibration Design:** Maintains stable operation even at a 45° tilt angle, suitable for vehicle use.
- **Smart APP Control:** Remotely monitor and adjust settings via a dedicated smartphone application (iOS/Android).
- **Battery Protection System:** Three-level (H/M/L) battery protection to prevent vehicle battery drain.
- **Removable Two-Way Doors:** Lids can be opened from either side or completely removed for convenience and cleaning.
- **USB Charging Port:** Integrated USB port for charging small electronic devices.

40L Doppia Zona



-20°C
~20°C

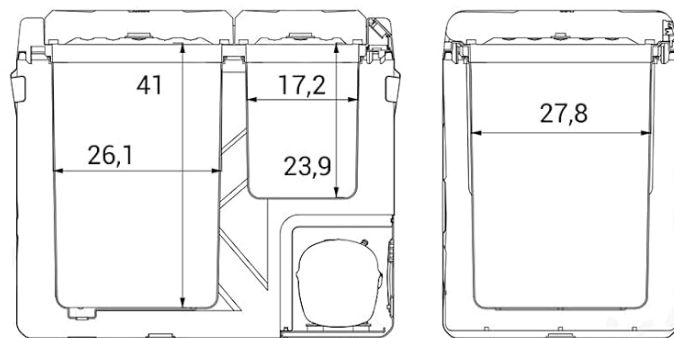


Figure 1: AAOBOSI Portable Compressor Cooler Model XS55, showing its compact design and dual-lid access.

3. SETUP AND INSTALLATION

3.1 Unpacking

Carefully remove the cooler from its packaging. Inspect the unit for any signs of damage during transit. Remove all protective films and packing materials.

3.2 Placement

Place the cooler on a firm, level surface. Ensure there is at least 10 cm of clear space around all sides of the unit to allow for proper airflow and ventilation. Avoid direct sunlight or proximity to heat sources.

3.3 Power Connection

The AAOBOSI cooler supports multiple power input options:

- **DC Power (12V/24V):** Connect the provided DC power cable to the cooler's DC input port. Then, plug the other end into

your vehicle's 12V or 24V cigarette lighter socket.

- **AC Power (100-240V):** Connect the provided AC adapter to the cooler's AC input port. Plug the AC power cord into a standard wall outlet.
- **Solar Power:** The cooler is compatible with solar panels (sold separately) when connected via a suitable portable power station.



Figure 2: The cooler can be powered by DC (12V-24V), AC (100V-240V), or a solar panel setup.

3.4 Initial Power On

After connecting to a power source, press the power button on the control panel. The display will illuminate, and the cooler will begin operation.

4. OPERATION

4.1 Control Panel Overview

The control panel is located on the front of the cooler. It typically includes:

- **Power Button:** Press to turn the unit on or off.
- **Temperature Adjustment Buttons (+/-):** Used to increase or decrease the desired temperature.
- **Mode Button:** Toggles between MAX (fast cooling) and ECO (energy-saving) modes.
- **Battery Protection Button:** Cycles through High (H), Medium (M), and Low (L) battery protection settings.

4.2 Temperature Setting

Use the '+' and '-' buttons to set the desired temperature for each compartment. The display will show the current and target temperatures. The cooler will automatically adjust to reach and maintain the set temperature.

4.3 Dual Zone Functionality

The Model XS55 features two separate compartments that can be controlled independently. This allows you to set one compartment as a freezer (e.g., for ice cream or frozen meat) and the other as a refrigerator (e.g., for drinks or fresh produce).



Figure 3: The 40L dual zone cooler showing internal dimensions and capacity for various items like cans, water bottles, and wine bottles.

ZWEIZONEN-DOPPELSTEUERUNG

Kombination aus Gefrierfach + Kühlraum

4 Optionen für unterschiedliche Bedürfnisse



Gemüse



Früchte



Getränke



Fleisch &
Meeresfrüchte



Eiscreme



Figure 4: Illustration of the dual zone functionality, demonstrating different cooling and freezing configurations for various food items.

4.4 APP Control

Download the official AAOBOSI app from your smartphone's app store (available for iOS and Android). Connect your cooler via Bluetooth to the app to remotely monitor temperatures, adjust settings, and switch modes from your device.



Figure 5: The cooler's control panel and a smartphone screen demonstrating the intelligent app control features.

4.5 Battery Protection Settings (H/M/L)

When operating the cooler with DC power (12V/24V), the battery protection system prevents excessive discharge of your vehicle's battery. Press the battery protection button to cycle through three levels:

- **H (High):** Provides the highest level of battery protection, cutting off power at a higher voltage to ensure your vehicle can start.
- **M (Medium):** A balanced protection level.
- **L (Low):** Allows for longer cooler operation before cut-off, suitable when the power source is not critical for vehicle starting.

The factory default setting is 'H'. If the input voltage drops below the set cut-off point, the cooler will automatically shut off to protect the battery. For specific voltage cut-off points, refer to the Specifications section.

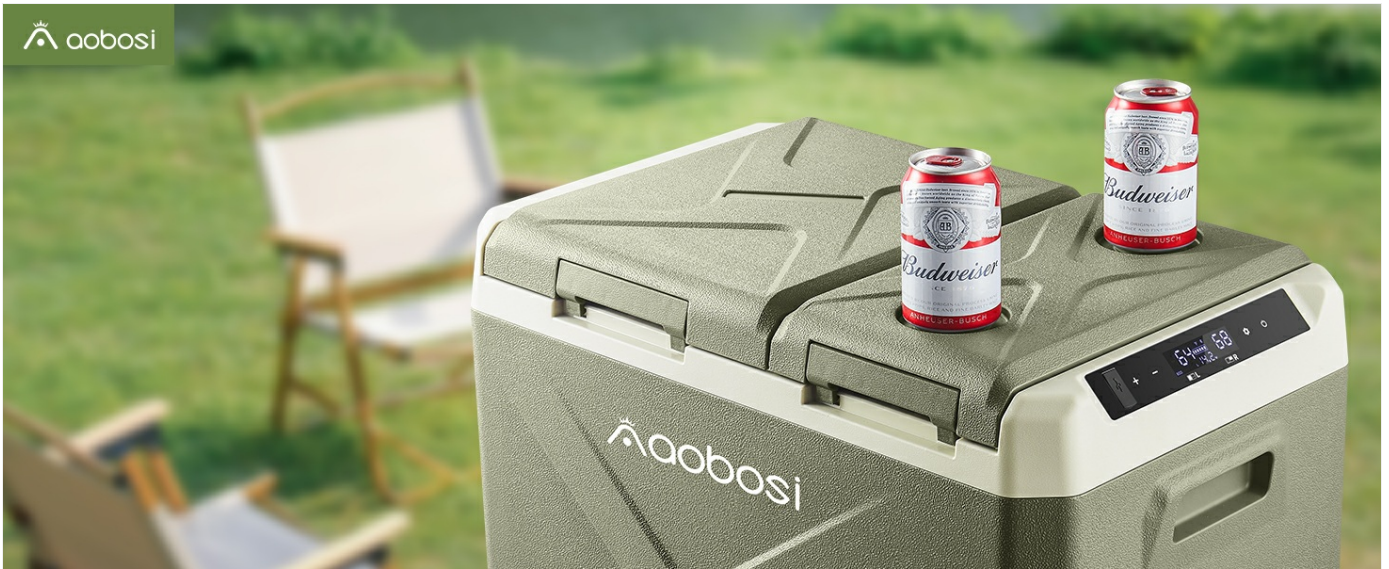


Figure 6: Table illustrating the voltage cut-off points for High, Medium, and Low battery protection modes for both 12V and 24V DC inputs.

4.6 Removable Doors

The cooler's lids are designed to be removable for easier access to contents or for thorough cleaning. To remove a door:

1. Open the door to a 90-degree angle.
2. Gently lift the door from one side to detach it from its hinge.

To reattach, align the door shaft with the corresponding hole and push down until it clicks into place. The doors can also be reversed to change the opening direction.

Abnehmbare 2-Wege-Türen

Bringt Ihnen Mehr Komfort



Figure 7: The cooler with its removable two-way doors, demonstrating how they can be detached for convenience.

PRODUKTMERKMALE

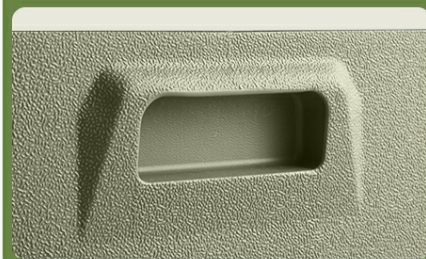
1

Türschnalle



2

Handgriff



3

Abflusstopfen



Figure 8: Step-by-step guide on how to remove and reattach the cooler's doors, including reversing the opening direction.

5. MAINTENANCE AND CARE

5.1 Cleaning

Regular cleaning helps maintain the cooler's efficiency and hygiene.

- Always unplug the cooler from its power source before cleaning.
- Wipe the interior and exterior surfaces with a soft cloth dampened with mild detergent and warm water.
- Do not use abrasive cleaners, solvents, or sharp objects, as these can damage the surfaces.
- Ensure all surfaces are dry before reconnecting power.

5.2 Drainage

The cooler is equipped with a drain plug at the bottom for easy removal of melted ice or cleaning water. Simply open the plug to drain the liquid.



Figure 9: Close-up of the cooler's drain plug, located at the bottom for convenient water removal.

5.3 Storage

When storing the cooler for an extended period:

- Ensure the unit is thoroughly cleaned and dry.
- Leave the lids slightly ajar to prevent odors and mildew buildup.
- Store in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your AAOBOSI Portable Compressor Cooler, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Cooler not turning on	No power supply; Damaged power cord/adaptor; Blown fuse in vehicle.	Check power connections; Try a different power source; Inspect and replace fuse if necessary.
Cooling insufficiently	Vents blocked; Lid not sealed properly; Temperature setting too high; High ambient temperature.	Ensure vents are clear; Close lid tightly; Lower temperature setting; Move cooler to a cooler environment.
Display shows 'E1' error	Low voltage protection activated.	Recharge the power source (vehicle battery/power station); Adjust battery protection level to 'M' or 'L' if safe to do so.

Problem	Possible Cause	Solution
Excessive noise	Loose parts; Obstruction in fan; Cooler not level.	Check for and tighten any loose components; Clear any obstructions; Ensure cooler is on a stable, level surface. Normal compressor noise is below 45dB.

For other error codes or persistent issues, please refer to the complete user manual or contact customer support.

7. SPECIFICATIONS

Detailed technical specifications for the AAOBOSI Portable Compressor Cooler Model XS55:

Feature	Specification
Model Number	XS55
Capacity	40 Liters
Dimensions (L x W x H)	60.3 x 36.5 x 51.2 cm
Weight	13.2 Kilograms
Cooling Temperature Range	20°C to -20°C
Rated Power (MAX Mode)	60W
Rated Power (ECO Mode)	45W
Noise Level	<45 dB
Input Voltage	DC 12V/24V, AC 100-240V
12V DC Battery Protection (Cut-off)	H: 11.3V, M: 10.1V, L: 9.6V
24V DC Battery Protection (Cut-off)	H: 24.6V, M: 22.3V, L: 21.3V
UPC	717206493375
GTIN	717206493375

8. WARRANTY AND SUPPORT

AAOBOSI provides the following warranty for your Portable Compressor Cooler Model XS55:

- **Compressor Warranty:** 5 years from the date of purchase.
- **Other Parts Warranty:** 1 year from the date of purchase.

If you have any questions, require technical assistance, or need to claim warranty service, please do not hesitate to contact AAOBOSI customer support. You can reach us through the Amazon platform where you purchased the product.

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