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› EUHOMY 24QT (23L) Portable 12 Volt Car Refrigerator Instruction Manual

EUHOMY J23

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Model: J23

PRODUCT OVERVIEW

The EUHOMY 24QT (23L) Portable 12 Volt Car Refrigerator is a versatile electric cooler designed for various scenarios, including home use, car travel, camping, and outdoor activities. It functions as both a refrigerator and a freezer, offering precise temperature control and multiple power options.



Figure 1: EUHOMY 24QT Portable Car Refrigerator (Model J23)

PACKAGE CONTENTS

Before setup, ensure all items are present in the package:

- Car Refrigerator (Model J23)
- AC Adaptor (100-240V)
- DC Power Cord (12/24V)
- Instruction Manual

Note: Rechargeable battery and absorbent towel are available for separate purchase.

Product Details

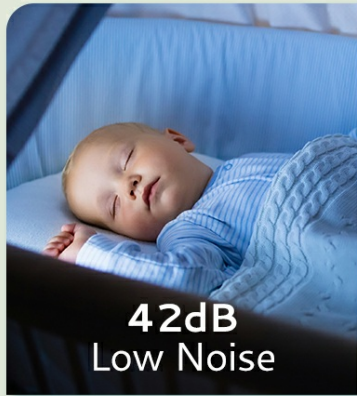


Figure 2: Included Accessories (AC adaptor, DC power cord shown. Battery is optional.)

SETUP

1. **Unpacking:** Carefully remove the refrigerator from its packaging. Inspect for any damage.
2. **Placement:** Place the refrigerator on a stable, level surface. Ensure adequate ventilation around the unit. The refrigerator can withstand a 30° tilt.
3. **Power Connection:**
 - **AC Power (Home Use):** Connect the AC adaptor to the refrigerator's AC input port, then plug the adaptor into a standard 100-240V AC wall outlet.
 - **DC Power (Vehicle Use):** Connect the DC power cord to the refrigerator's DC input port, then plug the other end into your vehicle's 12V or 24V cigarette lighter socket.
 - **Battery Power (Optional):** If using an optional battery, insert it into the designated compartment. The battery can last for up to 6 hours when fully charged.
4. **Initial Use:** For optimal performance, allow the refrigerator to stand upright for at least 6 hours before initial use.



Figure 3: Recessed Independent Space for Optional Battery or Small Items



3-Level Car Battery Protection

The setting aims to protect the car battery from draining when its voltage is low.

	Level	ON/OFF	12V DC	24V DC
	H	ON	12.5V	26V
		OFF	11.3V	24.6V
	M	ON	11.4V	23.7V
		OFF	10.4V	22.3V
	L	ON	10.9V	23.7V
		OFF	8.5V	22.3V

Figure 4: Multiple Power Supply Options

OPERATING INSTRUCTIONS

Control Panel

The control panel allows for easy adjustment of settings:



Figure 5: Control Panel

- **Power Button:** Press to turn the unit ON/OFF.
- **Settings Button:** Press to cycle through various settings, including battery protection levels (L/M/H) and cooling modes (ECO/MAX).
- **Temperature Adjustment (+/-):** Use these buttons to set the desired temperature. The unit can cool from 68°F (20°C) down to -4°F (-20°C).
- **LCD Display:** Shows current temperature, battery voltage, and selected mode.

Cooling Modes

- **ECO Mode:** Provides normal cooling speed with reduced power consumption, ideal for maintaining temperature over longer periods.
- **MAX Mode:** Offers maximum cooling speed to reach desired temperatures quickly.

SAFETY TIE POINTS

The refrigerator itself can withstand a 30° tilt. There are two hanging holes on one side of the refrigerator, and the car refrigerator can be firmly fixed on the car with restraint straps.

Restraint straps not included



Figure 6: ECO vs. MAX Cooling Modes

App Control

The refrigerator supports Bluetooth connectivity and can be controlled via a dedicated app. This allows for convenient remote management of settings and monitoring of the unit's status.

Battery Protection System

The unit features a three-level battery protection system (L/M/H) to prevent vehicle battery drain. Adjust the level based on your vehicle's battery condition:

- **H (High):** Highest protection, unit shuts off at higher voltage (e.g., 12.5V DC ON, 11.3V DC OFF).
- **M (Medium):** Moderate protection (e.g., 11.4V DC ON, 10.4V DC OFF).
- **L (Low):** Lowest protection, unit operates longer before shutting off (e.g., 10.9V DC ON, 8.5V DC OFF).



Figure 7: Battery Protection Levels

Internal Features

- **Removable Divider:** Allows for organizing contents or creating separate temperature zones if desired (though this model is single zone, it helps organize).
- **Built-in LED Light:** Illuminates the interior for easy access to contents in low-light conditions.
- **USB Port:** Located on the control panel side, it can be used to charge mobile devices.

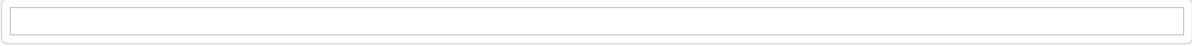


Figure 8: Internal Capacity and Organization

MAINTENANCE

- **Cleaning:**
 - Disconnect the unit from all power sources before cleaning.
 - Wipe the interior and exterior with a damp cloth and mild detergent. Avoid abrasive cleaners.
 - Ensure the unit is completely dry before reconnecting power.
- **Defrosting:** The unit features an automatic defrost system. If excessive ice buildup occurs, manually defrost by turning off the unit and allowing the ice to melt naturally. Drain any water through the drain plug.
- **Storage:** When not in use for extended periods, ensure the unit is clean and dry. Store in a cool, dry place with the lid slightly ajar to prevent odors.

TROUBLESHOOTING

If you encounter issues with your EUHOMY car refrigerator, refer to the following common solutions:

- **Unit Not Turning On:**
 - Check power connections (AC adaptor, DC cord, or battery). Ensure they are securely plugged in.
 - Verify the power source is active (e.g., vehicle engine running for DC power, wall outlet functioning).
 - If using battery, check battery charge level.
- **Not Cooling Effectively:**
 - Ensure the lid is properly sealed.
 - Check the set temperature on the control panel or app.
 - Verify the cooling mode (MAX mode cools faster).
 - Ensure adequate ventilation around the unit; clear any obstructions from vents.
 - Avoid placing hot items directly into the unit.
- **Excessive Noise:**
 - Ensure the unit is on a stable, level surface.
 - Check for any loose items inside or around the unit.
 - A slight hum from the compressor is normal during operation.

SPECIFICATIONS

Feature	Detail
Brand	EUHOMY
Model Name	J23
Capacity	24 Quarts (23 Liters)
Product Dimensions (D x W x H)	23.66" x 15.08" x 16.54"
Item Weight	22.7 Pounds
Voltage	12 Volts (DC), 100-240 Volts (AC)
Cooling Method	Compressor
Defrost System	Automatic
Temperature Control	Adjustable (-4°F to 68°F / -20°C to 20°C)
Special Features	Anti-Shake, Energy Efficient, Frost Free, Portable, Touch Control, APP Control, USB Port
Power Source	Corded Electric, Battery Powered (optional battery)
Annual Energy Consumption	150 Kilowatt Hours

WARRANTY AND SUPPORT

The EUHOMY 24QT Portable Car Refrigerator comes with a 1-year manufacturer's warranty.

EUHOMY offers 2-year technical support for this product. If you have any questions or require assistance, please contact EUHOMY customer service for prompt support.

ASK A QUESTION ABOUT THIS MANUAL

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Question

Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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