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BougeRV PS17301

BougeRV 173Wh Detachable Battery User Manual

Model: PS17301 | Brand: BougeRV

Introduction

This manual provides essential information for the safe and efficient operation of your BougeRV 173Wh Detachable Battery. This portable power station is designed to extend the operational time of compatible BougeRV car refrigerators, enhancing their portability for various outdoor and travel applications.



Image: The BougeRV 173Wh Detachable Battery, a compact black and yellow unit with power indicator lights and a USB-C port.

What's in the Box

Package Contents

Upon unboxing your BougeRV 173Wh Detachable Battery, you will find the following items:

- 1 x BougeRV 173Wh Portable Power Station
- 1 x User Manual

Note: The battery package does not include an adapter. To charge the battery, please place it in a compatible BougeRV refrigerator.

Product Overview

Design and Features

The BougeRV 173Wh Detachable Battery features a compact and robust design, primarily in black and yellow. It is engineered to provide a wireless power supply solution for compatible car refrigerators.

Compatibility

This battery is tailored for BougeRV CRD35, CRD45, CRD55, ED35, ED45, ED55, and Rocky Series portable refrigerators.



Image: The BougeRV 173Wh Detachable Battery shown with compatible BougeRV CRH Series, CRD2 Series, and Rocky V2.0 Series car refrigerators, illustrating its intended use.

Dimensions and Weight

The battery unit measures approximately 5.01 x 3.51 x 3.01 inches and weighs about 2.51 pounds.

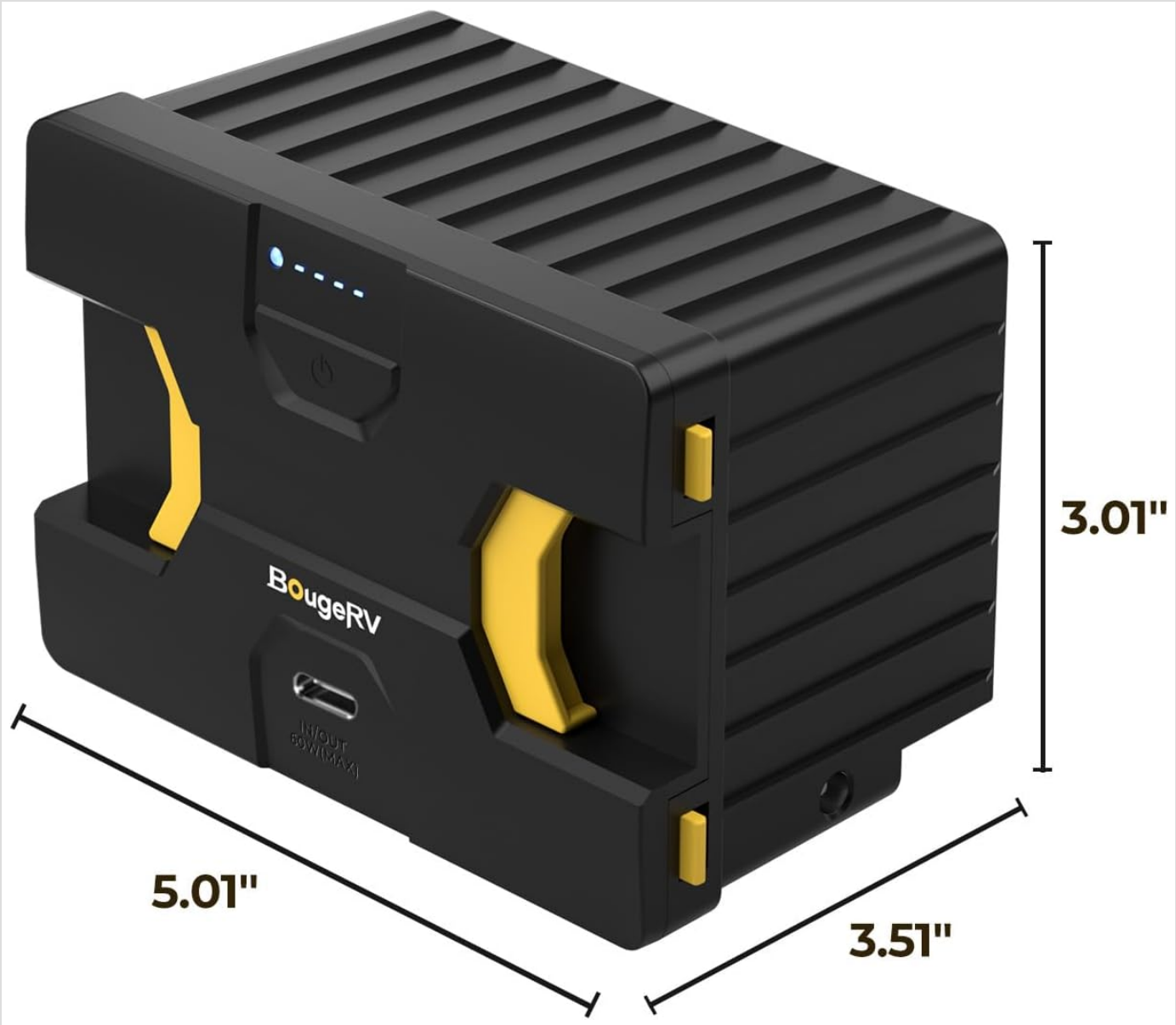


Image: Detailed dimensions of the BougeRV 173Wh Detachable Battery, showing its length, width, and height.

Setup

Battery Installation into Refrigerator

To install the battery, locate the dedicated battery compartment on your compatible BougeRV car refrigerator. Insert the battery firmly until it clicks into place. Ensure the refrigerator is turned off before installation.



Image: A four-step visual guide demonstrating how to install the detachable battery into a compatible BougeRV car refrigerator's battery slot.

Charging the Battery

The battery can be charged by placing it into a compatible portable refrigerator which is then connected to a DC (12/24V) or AC (100-240V) power source. It can also be charged via a solar panel (12-50V) when installed in the refrigerator. USB-C charging is also supported.



Image: Illustration showing various charging methods for the BougeRV 173Wh Detachable Battery when installed in a refrigerator, including wall outlet, car cigarette lighter, and USB-C.

For optimal charging, it is recommended to turn off the refrigerator's power while the battery is charging.

Operating Instructions

Battery Operation and Monitoring

The battery powers the refrigerator when installed. The refrigerator's control panel will display battery status.

Battery Protection Levels

The refrigerator's control panel allows you to adjust battery protection levels (low, medium, high) to prevent over-discharge, ensuring the longevity of your battery.

Runtime Extension

The 173Wh detachable battery can extend your dual-zone refrigerator's runtime for approximately 10 hours during

refrigeration (35-46°F) and 5 hours during freezing (Below 32°F). Switching the refrigerator to ECO Mode can further extend the battery life.



Image: A table illustrating the estimated discharge times for the BougeRV 173Wh Detachable Battery in ECO and L modes for refrigeration and freezing.

App Control

For remote monitoring and control of your refrigerator and battery, download the BougeRV app. The app provides real-time battery voltage and allows adjustment of refrigerator settings.

Maintenance

Battery Care

- **Cleaning:** Keep the battery and its contacts clean and dry. Use a soft, dry cloth for cleaning.
- **Storage:** Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, ensure the battery is partially charged (around 50-70%) to maintain its health.

- **Avoid Over-Discharge:** Utilize the battery protection settings on your refrigerator to prevent complete discharge, which can reduce battery lifespan.

Troubleshooting

Common Battery-Related Issues

- **Battery Not Charging:** Ensure the battery is correctly installed in the refrigerator. Verify the refrigerator is connected to a working power source (DC, AC, or solar).
- **Short Runtime:** Check if the refrigerator is operating in MAX mode, which consumes more power. Consider switching to ECO mode. Environmental factors (high ambient temperature, frequent opening of refrigerator lid) can affect runtime.
- **Battery Indicator Issues:** If the battery indicator on the refrigerator or app is not functioning correctly, ensure a secure connection.

For further assistance, please refer to the detailed user manual included in the package or contact BougeRV customer support.

Specifications

Technical Details

Feature	Specification
Rated Capacity	15600mAh
Rated Voltage	11.1V
Cut-off Voltage	9.0V
MAX Discharge Current	10A
Operating Temperature Range	14°F to 140°F (-10°C to 60°C)
Item Weight	2.51 pounds
Product Dimensions	5.01 x 3.51 x 3.01 inches

Table: Key technical specifications of the BougeRV 173Wh Detachable Battery.

Warranty and Support

Product Support

BougeRV provides 2-YEAR Tech Support for this product. For any questions or assistance, please reach out to BougeRV customer service for hassle-free support.

For detailed warranty information, please refer to the warranty card included with your product or visit the official BougeRV website.

Visit the official BougeRV Store: BougeRV Store

For additional product information and accessories, please visit: Product Page

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