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BougeRV 277Wh Portable Power Station

BougeRV 277Wh Portable Power Station User Manual

Model: 277Wh Portable Power Station

1. INTRODUCTION

Thank you for purchasing the BougeRV 277Wh Portable Power Station. This device is designed to provide reliable power for various applications, including powering portable refrigerators, charging mobile devices, and serving as an emergency light source. This manual provides essential information for safe and efficient use, setup, operation, and maintenance of your power station.

2. SAFETY INFORMATION

Please read all safety instructions carefully before using the product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from fire, water, and extreme temperatures.
- Do not expose the unit to direct sunlight for prolonged periods.
- Ensure proper ventilation during use and charging to prevent overheating.
- Keep out of reach of children.
- Use only the provided or approved charging cables and adapters.
- If the battery enters an over-discharge state and cannot be charged, use a Type-C cable to reset the system before attempting to recharge.
- During AC charging, the adapter may generate heat. This is normal, and the adapter is designed to operate safely up to 70°C.

This power station is equipped with advanced Battery Management System (BMS) technology, offering 14 types of protection, including:

- Overheating Protection
- Overcooling Protection
- Overload Protection
- Overvoltage Protection
- Undervoltage Protection

- Short Circuit Protection
- Overcurrent Protection

多種保護機能



過電圧保護



過電流保護



過熱保護



短絡保護

Image: AC adapter illustrating multiple protection functions including overvoltage, overcurrent, overheating, and short circuit protection.

3. PACKAGE CONTENTS

Verify that all items are included in your package:

- BougeRV 277Wh Portable Power Station Unit x1
- DC Charging Cable x1
- Type-C Charging Cable x1
- User Manual (Japanese) x1

4. PRODUCT OVERVIEW

The BougeRV 277Wh Portable Power Station is a compact and lightweight power solution, weighing only 1.45kg with

dimensions of 18cm x 8.5cm x 7cm. It features multiple output ports and an integrated LED light for versatility.

コンパクト・軽量

普通のポータブル電源より、小さなサイズで、持ち運びに便利です。



Image: The portable power station demonstrating its compact size and lightweight design (1.45kg).

Output Ports:

- **Cigarette Lighter Socket Output:** 14.5V, 9A, up to 130W (Max). Ideal for car refrigerators and other 12V devices.
- **USB Output:** For charging smartphones and other USB-powered devices.
- **Type-C Output/Input:** Supports fast charging for compatible smartphones and can also be used for charging the power station itself.

CRPRO冷蔵庫対応可



[詳しくはこちら >](#)



Image: Detailed view of the power station's output ports and their maximum power ratings.

Display and Controls:

The power station features an easy-to-read LED display that shows the remaining battery level and power consumption, allowing you to easily monitor its status.

見やすい液晶

LED液晶画面でバッテリーの残量や消費電力を簡単に確認できます。



Image: The LED display showing battery status and ECO mode.

LED Light:

The integrated LED light offers three modes: weak, strong, and SOS. It can be used as a general light source or for emergency signaling, making it useful in various outdoor and emergency situations.

見やすい液晶



LED液晶画面でバッテリーの残量や消費電力を簡単に確認できます。

LEDライト付き



弱い/強い/SOSの三つのモードが搭載されており、懐中電灯として利用可能で、緊急信号としても使用できます。日常生活から緊急時、アウトドア活動まで幅広いシーンで役立ちます。

Image: The power station with its LED light activated.

5. SETUP

Before first use, fully charge your BougeRV Portable Power Station.

Initial Charging:

1. Connect the provided AC adapter to the power station's input port.
2. Plug the AC adapter into a standard wall outlet.
3. The LED display will indicate charging status. Charge until the display shows 100%.

The power station is designed to be compatible with BougeRV portable refrigerators. It can be easily inserted into the dedicated battery compartment of compatible models.



Image: The power station being inserted into a compatible portable refrigerator.

6. OPERATING INSTRUCTIONS

Charging the Power Station (4-Way Charging):

The power station supports four charging methods:

- **AC Adapter:** Connect the AC adapter to a wall outlet. (Approx. 5 hours for full charge)
- **Cigarette Lighter Socket:** Use a DC charging cable to connect to a vehicle's cigarette lighter socket. (Approx. 3 hours for full charge)
- **Type-C:** Connect a Type-C cable to a compatible Type-C charger. (Approx. 5 hours for full charge)
- **Solar Panel:** Connect a compatible solar panel (sold separately) to the power station. (Approx. 3 hours for full charge, efficiency varies with sunlight conditions)

四つ充電方法

パススルー対応、充電しながら冷蔵庫を給電できます



約**3h**
PV充電

日光により充電時間が違う



約**5h**
AC充電

(ACアダプター別売り)



約**3h**
DC充電



約**5h**
Type-C充電



Image: Overview of the four available charging methods and their approximate charging durations.

Powering Devices:

Connect your devices to the appropriate output ports (Cigarette Lighter, USB, or Type-C). The power station can charge up to three devices simultaneously.

- The DC port provides a stable output of 12V or more, ensuring consistent operation for devices like portable refrigerators, even as the battery level decreases.
- USB and Type-C ports support fast charging for smartphones.

ECO Mode:

The power station features an ECO mode to minimize self-discharge. In ECO mode, if the product is not operated for 7 hours, it will automatically power off.

- To activate/deactivate ECO mode, double-press the LED button.



ソーラーパネル充電可能

ソーラーパネルから充電が可能です。環境に優しく、電気料金の節約にもなります。BOUGUER 50Wソーラーパネル（別売り）を利用すれば、約6時間で満充電できます。（天候や設置環境により変動します）

Image: The power station display indicating ECO mode and how to switch it.

LED Light Operation:

Press the LED light button to cycle through the light modes: Weak > Strong > SOS > Off.

7. MAINTENANCE

- Store the power station in a cool, dry place away from direct sunlight when not in use.
- Charge the unit at least once every 3-6 months to maintain battery health, even if not used.
- Clean the exterior with a soft, dry cloth. Do not use abrasive cleaners or immerse in water.
- Ensure all ports are free of dust and debris.

8. TROUBLESHOOTING

Cannot Charge the Battery:

If the battery is in an over-discharge state, the protection function may activate, preventing charging.

- **Solution:** Use a Type-C cable to reset the system, then attempt to recharge the battery.

AC Adapter Gets Hot During Charging:

It is normal for the AC adapter to generate some heat during the conversion of AC to DC power. This can be more noticeable in warmer environments.

- **Solution:** This is a normal phenomenon. The adapter is designed to operate safely even at temperatures up to 70°C. Ensure adequate ventilation around the adapter.

9. SPECIFICATIONS

Feature	Detail
Brand	BougeRV
Model	277Wh Portable Power Station
Capacity	277Wh
Dimensions	18cm × 8.5cm × 7cm
Weight	1.45kg
Cigarette Lighter Output	14.5V, 9A, 130W Max
USB Output	Yes (Fast charging compatible)
Type-C Output/Input	Yes (Fast charging compatible)
Charging Methods	AC Adapter, Cigarette Lighter, Type-C, Solar Panel
LED Light	Weak, Strong, SOS modes
Safety Features	BMS with 14 types of protection (Overheat, Overload, Overvoltage, etc.)
Compatible Devices	Small portable refrigerators, 12V electric blankets, USB devices, smartphones
Country of Origin	China
ASIN	B0FD3S3MXG

10. WARRANTY AND SUPPORT

BougeRV provides a **24-month product warranty** from the date of purchase for this battery.

If you encounter any issues or initial defects with your product, please contact our customer support team. To ensure prompt assistance, please provide your order number when contacting us.

Important Note: The product you purchased is a set. Shipments may be split, and arrival times for individual components may vary. Please be aware of this in advance.