

Manuals.plus /

› Generic Brand /

› User Manual for OHM-PD-MONSTER-2 High Capacity Battery

Generic Brand OHMPDMONSTER2

User Manual for OHM-PD-MONSTER-2 High Capacity Battery

Model: OHMPDMONSTER2

Brand: Generic Brand

INTRODUCTION

Thank you for purchasing the OHM-PD-MONSTER-2, the successor model to the highly acclaimed OHM-PD-MONSTER-1. This high-capacity portable power bank features a 96000mAh/307.2Wh Lithium Iron Phosphate (LiFePO4) battery, offering enhanced stability and longevity compared to traditional lithium-ion batteries. This manual provides essential information on how to safely and effectively use, maintain, and troubleshoot your device.

PACKAGE CONTENTS

- OHM-PD-MONSTER-2 Main Unit x 1
- AC Adapter (DC Jack Charger) x 1
- Instruction Manual (Chinese/English) x 1

PRODUCT OVERVIEW

The OHM-PD-MONSTER-2 is designed for versatile power delivery, equipped with multiple output ports to charge various devices.



Image: Front view of the OHM-PD-MONSTER-2 showing the USB-C, USB-A, and 12V cigarette lighter ports, along with the power button.



Image: Back label of the OHM-PD-MONSTER-2 displaying detailed electrical specifications and certifications.

The device features a USB-TypeC port, two USB-TypeA ports, and two 12V cigarette lighter sockets. It is compatible with various radio equipment and other electronic devices, providing stable power for extended operation.

SPECIFICATIONS

Feature	Detail
Battery Type	Lithium Iron Phosphate (LFP LiFePO4)
Capacity	96000mAh / 307.2Wh
Dimensions (Approx.)	207 x 157 x 72 mm
Weight (Approx.)	3 kg
Output Ports	1x USB-TypeC, 2x USB-TypeA, 2x 12V Cigarette Lighter Sockets
Type-C Output	DC5V/3A, 9V/3A, 12V/3A, 15V/3A, 20.3V/3A
USB-TypeA-1 Output	DC5V/2.4A
USB-TypeA-2 Output	DC3.6-6.5V/3A, 6.5-9V/2A, 9-12V/1.5A
Cigarette Lighter Output (Total)	12V/15A (Total for both sockets; cannot draw 15A from each simultaneously)
DC Input (Charging)	12-24V/2A
Type-C Input (Charging)	DC5V/3A, 9V/3A, 15V/3A, 20V/2.25A

SETUP

Initial Charging

1. Connect the provided AC adapter to the DC input port of the OHM-PD-MONSTER-2.
2. Plug the AC adapter into a wall outlet.
3. The device will begin charging. Ensure charging is terminated promptly once the battery is full to prolong its lifespan.
4. Alternatively, you can charge the device via the Type-C input port using a compatible USB-PD charger.

Connecting Devices

Use appropriate cables to connect your devices to the corresponding output ports (USB-C, USB-A, or 12V cigarette lighter sockets). Ensure your device's voltage requirements match the output of the OHM-PD-MONSTER-2.

OPERATING INSTRUCTIONS

Powering On/Off

Press and hold the power button to turn the unit on or off. The indicator lights will show the current battery level.

Using Output Ports

- **USB-TypeC:** Connect USB-C compatible devices for fast charging.
- **USB-TypeA:** Use for standard USB charging of smartphones, tablets, etc.
- **12V Cigarette Lighter Sockets:** Ideal for powering amateur radio equipment or other 12V devices. Note that the total output for both sockets combined is 15A; simultaneous 15A draw from each is not possible.

Estimated Operating Times (Examples)

- IC-7300M: Approximately 4 hours
- FT-891M: Approximately 5 hours
- FT-991AM: Approximately 5 hours

Note: Actual operating times may vary depending on the operating frequency, mode, and specific usage conditions of your radio equipment.

MAINTENANCE

- To ensure the longevity of your OHM-PD-MONSTER-2, promptly disconnect the charger once the battery is fully charged.
- To prevent over-discharge, fully charge and discharge the OHM-PD-MONSTER-2 at least once every 4 months.
- If storing the device for an extended period, maintain the battery charge level at approximately 50%. Remember to still perform a full charge and discharge cycle every 4 months as mentioned above.

TROUBLESHOOTING

Charging Issues

- **Device not charging while powering a radio:** Do not charge the OHM-PD-MONSTER-2 while it is simultaneously supplying power to a radio via the 12V cigarette lighter socket. Charge the OHM-PD-MONSTER-2 only when it is not powering other devices.

Output Voltage and Compatibility

- **12V Cigarette Socket Voltage:** The voltage range for the 12V cigarette lighter sockets is 11V to 13.5V. Please verify the operating voltage range of your radio equipment in its instruction manual or on the device itself.
- **USB-PD Cable Compatibility:** Some older USB-PD cables previously sold may not be fully compatible with the OHM-PD-MONSTER-2. Ensure you are using a verified compatible cable for optimal performance and charging.
- **Verified Compatible USB-PD Cables:**
 - OHM-USB07Y/OC/PD
 - OHM-USB08KI/OC/PD
 - OHM-USB705/OC/PD
 - OHM-USB818/OC/PD
 - OHM-USB500/PD
- **Incompatible Cables:** USB-PD cables for digital simple radios, such as OHM-DPR7/USB/PD, are not guaranteed to work. Some older lots of OHM-USB07Y/OC/PD and OHM-USB08KI/OC/PD cables may not provide 12V output, preventing transmission. If you own an older version of these cables, please contact support.

Battery Capacity Discrepancy

- Due to electrical losses during voltage conversion, the displayed battery capacity may differ slightly from the actual usable capacity. This is normal.

IMPORTANT SAFETY INFORMATION

- Do not place or use the OHM-PD-MONSTER-2 in extremely high or low temperatures, near flammable or explosive materials, or in highly humid environments.
- Avoid subjecting the device to physical impact, such as dropping or collision.
- To prevent damage and degradation of the internal battery, avoid charging or using the OHM-PD-MONSTER-2 in environments below 0°C (32°F) or above 40°C (104°F).
- Leaving a mobile battery at zero charge can lead to "over-discharge," which degrades the battery and shortens its lifespan. Over-discharge is a primary cause of battery degradation. Always maintain a charge level of approximately 50% when storing the device.

WARRANTY AND SUPPORT

Due to the significant impact of environmental and usage conditions on the performance and operation of mobile batteries, it may be difficult to provide exchanges or support for units purchased more than one month ago. We appreciate your understanding in this matter.

For any inquiries regarding the OHM-PD-MONSTER-2 or compatible accessories, please contact our customer support. Please note that some specifications of the OHM-PD-MONSTER-2 have changed from the previous OHM-PD-MONSTER-1 model.