

Moman Moman Power 99

Moman Mini V Mount Battery User Manual

Brand: Moman | Model: Moman Power 99

PRODUCT OVERVIEW

The Moman Mini V Mount Battery is a compact and powerful 99Wh V-lock battery designed for professional camera equipment, camcorders, LED lights, and other devices. It features dual D-Tap and dual USB output ports, providing versatile power solutions for various setups.



Figure 1: Moman Mini V Mount Battery in camouflage, showing its compact size and various applications with cameras and lights.

SETUP AND INITIAL USE

Unboxing and Inspection

Upon receiving your Moman Mini V Mount Battery, carefully unbox it and inspect for any signs of damage. Ensure all components are present as listed in the packaging.

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Video 1: Unboxing and initial overview of the Moman V Mount Battery, demonstrating its packaging and physical appearance.

Charging the Battery

The Moman Power 99 battery can be recharged via its D-Tap ports using a compatible D-Tap charger (not included). The 5-LED gauge indicates the remaining battery life. Each LED represents approximately 20% of the battery's charge.

- Connect a D-Tap charger to either D-Tap input/output port on the battery.

- Monitor the 5-LED gauge to track charging progress. All 5 LEDs will illuminate when fully charged.
- It is recommended to avoid completely draining the battery to 0% to prolong its lifespan. Aim to recharge when the battery level is low but not fully depleted.

Intelligent Battery Management Circuit for Battery longevity



Figure 2: Close-up of the battery's 5-LED gauge, indicating battery charge level, and highlighting the intelligent battery management circuit.

Mounting the Battery

The battery is designed for easy mounting on V-mount plates, typically found on cameras, rigs, or lighting equipment. Align the V-mount battery with the V-mount plate and slide it down until it clicks securely into place.

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Video 2: Demonstrates the quick and easy mounting process of the Moman Mini V-Lock Mount Power battery onto a V-mount plate.

OPERATING INSTRUCTIONS

Powering Your Devices

The Moman Power 99 offers multiple output options to power a wide range of equipment simultaneously:

- **Dual D-Tap Ports:** Provide 14.4V-10A output, suitable for cameras, monitors, and professional lighting.
- **Dual USB Ports:** Offer 5V-2.1A output, ideal for charging smartphones, tablets, and other USB-powered accessories.
- The battery supports up to 15A continuous current draw and up to 200 Watts total power output, allowing you to power multiple high-demand devices concurrently.

Support Up to 15A and 200 Watts Multiple Equipments Simultaneously



Figure 3: Illustration of the Moman Mini V Mount Battery powering multiple devices, including cameras, monitors, lights, and mobile devices, simultaneously.

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Video 3: Shows the Moman V Mount Battery in action, powering a BMPCC 4k/6k camera and other camcorder accessories, highlighting its efficiency for extended shoots.

MAINTENANCE AND LONGEVITY

Battery Care

The Moman Power 99 is built with high-quality Panasonic or Samsung battery cells, ensuring over 97% efficiency and a recharge cycle of over 1000 times. To maximize the battery's lifespan:

- Avoid completely discharging the battery. It is best to recharge before it reaches 0%.
- Store the battery in a cool, dry place when not in use.
- The intelligent battery management circuit protects against overcharge, over-discharge, over-current, and overheating.

Grade A Battery Cell without Memory



1.5 hours
working time
for 100 watt video light

Figure 4: The Moman Mini V Mount Battery providing power to a 100-watt video light, demonstrating its working time of 1.5 hours.

TROUBLESHOOTING

If you encounter any issues with your Moman Mini V Mount Battery, consider the following:

- **Battery Not Charging:** Ensure the D-Tap charger is properly connected and functional. Check for any debris in the D-Tap ports.
- **Devices Not Powering On:** Verify that the battery has sufficient charge using the 5-LED gauge. Ensure cables are securely connected to both the battery and the device. Check if the device's power requirements exceed the battery's output capacity (200W max).
- **Overheating:** If the battery feels excessively hot, disconnect it from all devices and chargers immediately. Allow it to cool down in a well-ventilated area. Overheating can indicate an issue with the battery or the connected device.

SPECIFICATIONS

Feature	Detail
Product Dimensions	2.8 x 3.9 x 1.9 inches
Item Weight	1.47 pounds
Item Model Number	Moman Power 99
Battery Type	Lithium Ion
Capacity	99Wh
Max Continuous Current Draw	Up to 15A
Max Power Output	Up to 200W
Output Ports	Dual D-Tap (14.4V-10A), Dual USB (5V-2.1A)
Recharge Cycles	Over 1000 times

WARRANTY AND SUPPORT

Moman offers comprehensive customer support for their products. For any inquiries or assistance, please refer to the following:

- **Warranty:** The product comes with a 365-day warranty.
- **Returns/Refunds:** 30-day refund policy.
- **Replacement:** 18-monthly replacement policy.
- **Online Support:** 7/24 professional online support is available.
- **Manufacturer:** Moman
- **Seller:** Moman_PhotoGears



Figure 5: Overview of Moman's professional customer service, including warranty and support details, and typical package contents.

