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Moman Power 99 Touch Mini V-Lock Battery

Moman Power 99 Touch Mini V-Lock Battery Instruction Manual

1. INTRODUCTION

Thank you for choosing the Moman Power 99 Touch Mini V-Lock Battery. This compact and versatile V-mount battery is designed to provide reliable power for your professional camera and video equipment. Featuring a touch-sensitive LED display, multiple output interfaces, and advanced safety protections, it ensures efficient and safe operation. Please read this manual thoroughly before use to ensure proper handling and optimal performance.

2. SAFETY INFORMATION

- Do not disassemble, open, or attempt to repair the battery.
- Keep the battery away from water, fire, and high temperatures.
- Avoid dropping or subjecting the battery to strong impacts.
- Use only approved chargers and cables.
- Store the battery in a cool, dry place when not in use.
- Dispose of the battery according to local regulations.
- Do not press the display buttons strongly; touch them lightly to change the status.
- If the current and voltage are unstable, the predicted remaining time displayed may not be entirely accurate.

3. PACKAGE CONTENTS

Please check the package for the following items:

- Moman Power 99 Touch V-Mount Battery x1
- USB-C Charging Cable x1
- User Manual x1

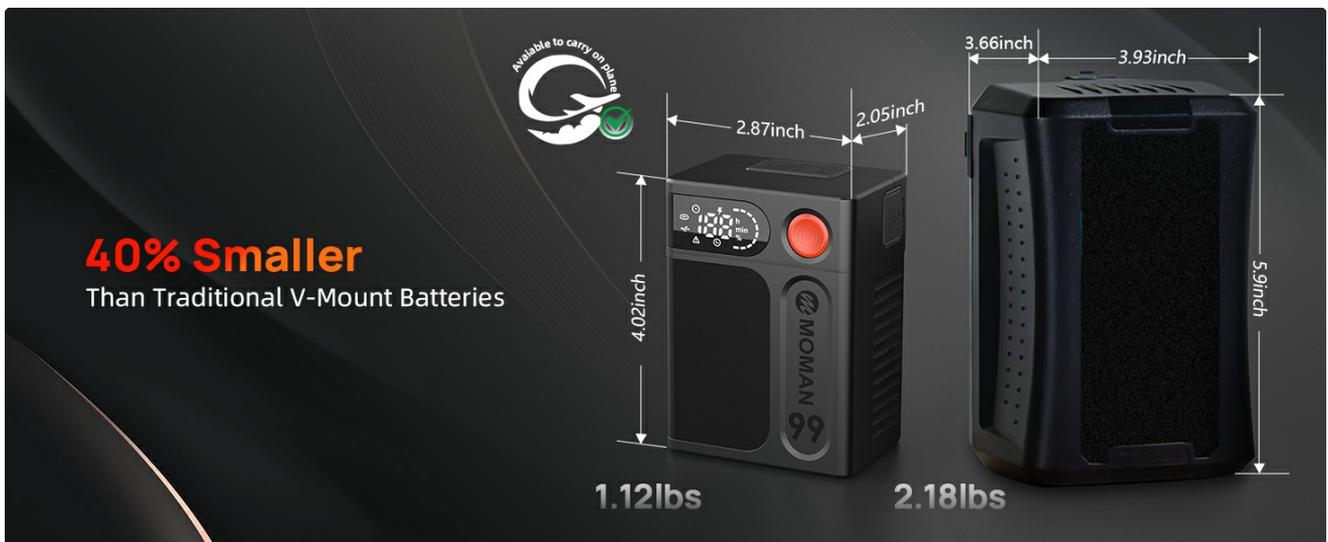


Image: Moman Power 99 Touch V-Mount Battery, USB-C charging cable, and user manual, alongside a detailed specification table.

4. PRODUCT OVERVIEW

4.1 Compact Design

The Moman Power 99 Touch is designed to be palm-sized, approximately 40% smaller than traditional 99Wh V-Mount batteries. Its compact form factor (2.87 x 2 x 4 inches, 1.12 lbs) makes it ideal for travel and easy storage in backpacks or pockets, and it is suitable for air travel without restrictions.



Image: The Moman Power 99 Touch battery held in a hand, illustrating its compact dimensions (2.87 x 2.05 x 4.02 inches) and weight (1.12 lbs), with an icon indicating aviation compatibility.

4.2 Intelligent Display

The battery features a touch-sensitive LED screen that clearly displays the remaining battery percentage and estimated working time. A light touch on the red button switches between these data points, which are calculated in real-time to prevent unexpected power shortages during filming.

One Touch to Switch, Status At A Glance

Clearer screen display and battery status at a glance Real-time data to avoid the interruption of filming caused by power shortage.



- 1. Please do not press the buttons strongly, but touch them lightly to change the status.
- 2. When the current and voltage are unstable, the predicted Remaining Time is not entirely accurate.

Image: Close-up of the Moman Power 99 Touch display, showing battery percentage (90%) and remaining operational time (100 minutes), with a finger interacting with the red touch button.

4.3 Multiple Interfaces

Equipped with a variety of output ports, including USB-A, USB-C, 8V DC, D-Tap, and BP ports, the battery can power multiple devices simultaneously. This includes camcorders, field monitors, image transmitters, LED lights, and can even charge tablets, smartphones, and laptops.



Image: A detailed view of the Moman Power 99 Touch battery highlighting its D-TAP (16.8V/3.4A), DC (8.4V/3A), USB-A (5V/2A), USB-C (5V/9V/12V/15V/20V Max, 3.25A 65W), and BP (16.8V/3.4A) interfaces.

4.4 High Capacity and Reliable Cells

With a capacity of 6900mAh (99Wh/14.4V), the battery provides extended power for long video and photography projects. It incorporates 8 high-quality A-grade lithium battery cells, designed for over 1000 charge cycles, ensuring durability and consistent performance.



Image: An exploded view of the Moman Power 99 Touch battery, revealing its internal high-power cells and the Intelligent BMS chip, emphasizing its 1000+ cycle life and six built-in protection features.

4.5 65W USB-C Fast Charging

The integrated BMS intelligent chip supports multi-protocol fast charging (PD/QC/FCP, etc.), offering up to 65W USB-C PD fast charging. This allows for quick charging of smartphones, tablets, or laptops, reducing the need for additional chargers.

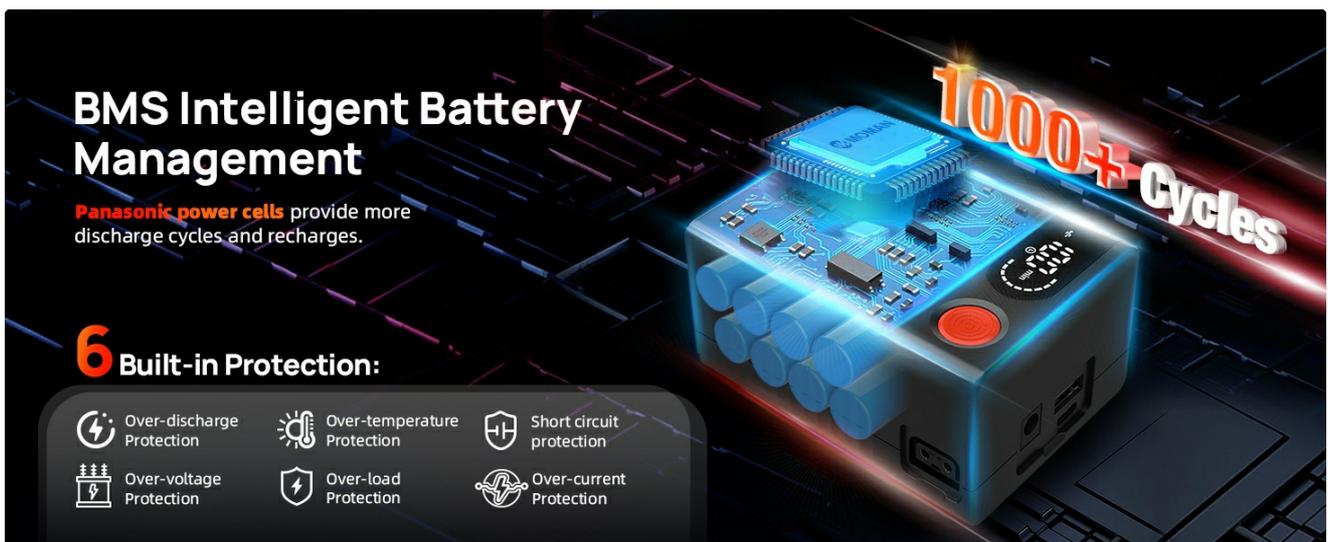


Image: The Moman Power 99 Touch battery connected via USB-C to a laptop, tablet, and smartphone, demonstrating its 65W PD fast charging capability. A chart shows charging test results for various devices.

4.6 Circuit Protection and Premium Material

The battery includes six protection functions: short circuit, over-discharge, over-temperature, over-voltage, over-load, and over-current protection. Its housing and interfaces are constructed from high-temperature resistant and flame-retardant materials, ensuring stability and safety.

5. SETUP

1. **Initial Charge:** Before first use, fully charge the Moman Power 99 Touch battery using the provided USB-C cable and a compatible power adapter (not included) or a dedicated V-mount charger. The LED display will indicate charging status.
2. **Mounting:** Attach the battery to your camera rig or equipment using its standard V-mount lock. Ensure it is securely fastened.

3. **Connecting Devices:** Connect your devices (camera, monitor, light, etc.) to the appropriate output ports (D-Tap, DC, USB-A, USB-C) on the battery.

6. OPERATING INSTRUCTIONS

6.1 Checking Battery Status

Lightly touch the red button on the battery to activate the LED display. The display will show the remaining battery percentage. Touch the button again to switch to the estimated remaining working time in minutes.

6.2 Powering Devices

- **D-Tap Port:** Connect devices requiring 16.8V/3.4A power.
- **DC Port:** Connect devices requiring 8.4V/3A power.
- **USB-A Port:** Connect smartphones or other USB-powered devices for 5V/2A output.
- **USB-C Port:** Use for both input (charging the battery) and output (powering devices). It supports various voltages (5V/9V/12V/15V/20V Max) and up to 65W output for fast charging compatible laptops, tablets, and smartphones.
- **BP Port:** Connect devices requiring 16.8V/3.4A power.

6.3 Charging the Battery

Connect the provided USB-C cable to the battery's USB-C port and to a compatible USB-C power adapter. The battery supports up to 65W PD fast charging. The LED display will show the charging progress.

Your browser does not support the video tag.

Video: A demonstration of the Moman Power 99 Touch Mini V-Lock Battery, showcasing its features, interfaces, and compact design in practical use with camera equipment.

7. MAINTENANCE

- Clean the battery and its ports regularly with a dry, soft cloth.
- Avoid exposing the battery to extreme temperatures or humidity.
- If storing for an extended period, charge the battery to approximately 50-70% and recharge every 3-6 months to maintain battery health.
- Ensure all port covers are properly sealed when not in use to prevent dust and moisture ingress.

8. TROUBLESHOOTING

- **Battery not charging:** Ensure the USB-C cable is securely connected to both the battery and a working power source. Verify the power adapter is functional.
- **Battery not powering devices:** Check that the device is correctly connected to the appropriate output port. Ensure the battery has sufficient charge. Some devices may require specific voltage or current, verify compatibility.
- **Display not responding:** Lightly touch the red button. If unresponsive, ensure the battery is not completely depleted.
- **Inaccurate remaining time display:** This can occur if current and voltage are unstable. The percentage display is generally more reliable under fluctuating loads.

9. SPECIFICATIONS

Feature	Detail
Nominal Voltage	14.4V
Capacity	99Wh / 6.9Ah
Electric Output (Polex1)	150W / 12A
Input (Polex1)	16.8V / 3.4A
USB-C Output	65W (Max), 5V/9V/12V/15V/20V (Max) == 3.25A
USB-C Input	5V/9V/12V/15V/20V (Max) == 2.4A
D-TAP Output	120W / 10A
D-TAP Input	16.8V / 3.4A
USB-A Output	10W, 5V / 2A
DC Output	8.4V / 3A
Total Output	150W / 12A
Dimension	73mm * 102mm * 52mm (2.87 x 4.02 x 2.05 inches)
Net Weight	0.55kg (1.21 lbs)
Battery Cell Composition	Lithium Ion
Number of Batteries	8 (included)

10. WARRANTY AND SUPPORT

Moman offers comprehensive support for its products:

- **Warranty:** The product is covered by a 1-Year Protection Plan.
- **Returns:** A 30-Day refund and 18-month replacement policy is available for dissatisfaction.
- **Customer Support:** 7/24 professional online support is available for any inquiries or assistance.