

Moman Power 99 Pro

Moman Power 99 Pro V-Mount Battery Instruction Manual

MODEL: POWER 99 PRO

1. Product Overview

The Moman Power 99 Pro is a compact and powerful V-Mount battery designed for professional photography and videography. With a high capacity of 99Wh (6900mAh), it offers extended power for various devices while remaining aviation-friendly. It features an innovative OLED screen for real-time information, versatile charging options including 65W USB-C Power Delivery, and multiple output ports to power cameras, monitors, and other accessories simultaneously.



Image: Moman Power 99 Pro V-Mount Battery showcasing its compact design and key features.

2. Key Features

- **Compact & Portable:** Palm-sized design with 99Wh capacity, making it suitable for air travel.
- **Visual Time-Display:** First-of-its-kind OLED screen providing real-time voltage, current, remaining time, and battery percentage.

- **65W USB-C Quick Charge:** Supports fast charging of the battery itself and other devices via USB-C (PD3.0, QC2.0, QC3.0, FCP, SCP, etc.).
- **200W Multi-Device Output:** Maximum continuous current rating up to 15A, capable of powering multiple devices simultaneously.
- **Powerful Battery Core:** Features a Unique Balance Cell Algorithm for optimal cell voltage levels, ensuring a cycle life of up to 1000 times.
- **Multiple Output Ports:** Includes USB-A, USB-C, D-Tap, and BP Electrode Interface for broad compatibility.



Image: The compact size of the Moman Power 99 Pro V-Mount Battery, highlighting its portability and aviation-friendly design.



Image: The OLED screen of the Moman Power 99 Pro, showing real-time battery status and remaining usage time.

3. Setup

3.1 Charging the Battery

The Moman Power 99 Pro offers multiple ways to charge:

- **USB-C (65W PD):** Connect a USB-C cable (included) to the USB-C port on the battery and to a compatible 65W PD charger. This allows for quick and convenient charging.
- **D-Tap:** Use a D-Tap charger (not included) connected to the D-Tap input/output port.
- **BP Port:** Utilize a standard V-Mount charger (not included) connected to the BP Electrode Interface.

Ensure the battery is fully charged before its first use for optimal performance.

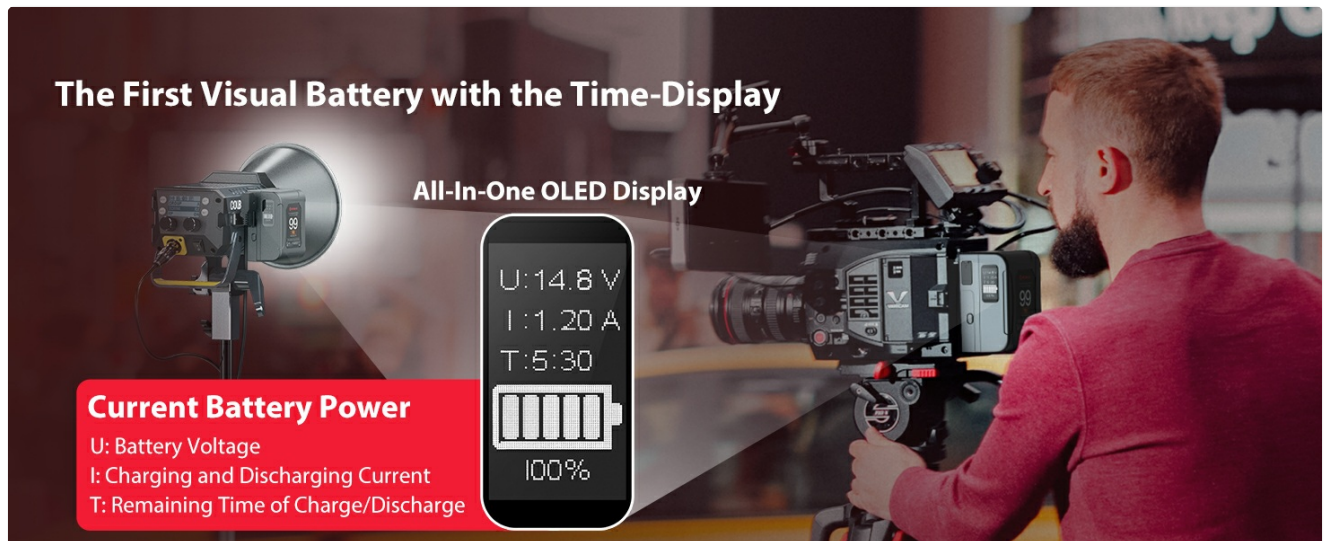


Image: The Moman Power 99 Pro battery charging via its 65W USB-C port, demonstrating its versatile charging capability.

3.2 Mounting the Battery

Attach the Moman Power 99 Pro to any V-Mount compatible plate on your camera rig, lighting setup, or other equipment. Ensure a secure connection to prevent accidental dislodgement during operation.

4. Operating Instructions

4.1 Using the OLED Display

The integrated OLED screen provides crucial real-time information:

- **U:** Displays the current voltage (V).
- **I:** Shows the current (A) being drawn or supplied.
- **T:** Indicates the estimated remaining time of use or charging time.
- **Battery Icon:** Visual representation of the battery charge level.
- **Percentage:** Exact remaining battery percentage.

4.2 Connecting Devices

The Power 99 Pro offers multiple output options for various devices:

- **USB-A Output:** 5V-2.1A for charging smartphones or other low-power USB devices.
- **USB-C Input & Output:** 5V/9V/12V/20V (Max 3.25A, 65W) for charging the battery or powering/charging compatible laptops, tablets, and other USB-C devices.
- **D-TAP Input & Output:** 14.4V-15A (Max) for powering professional camera accessories or charging the battery.
- **BP Electrode Interface:** 14.4V-15A (Max) for direct power to V-Mount compatible cameras and devices.

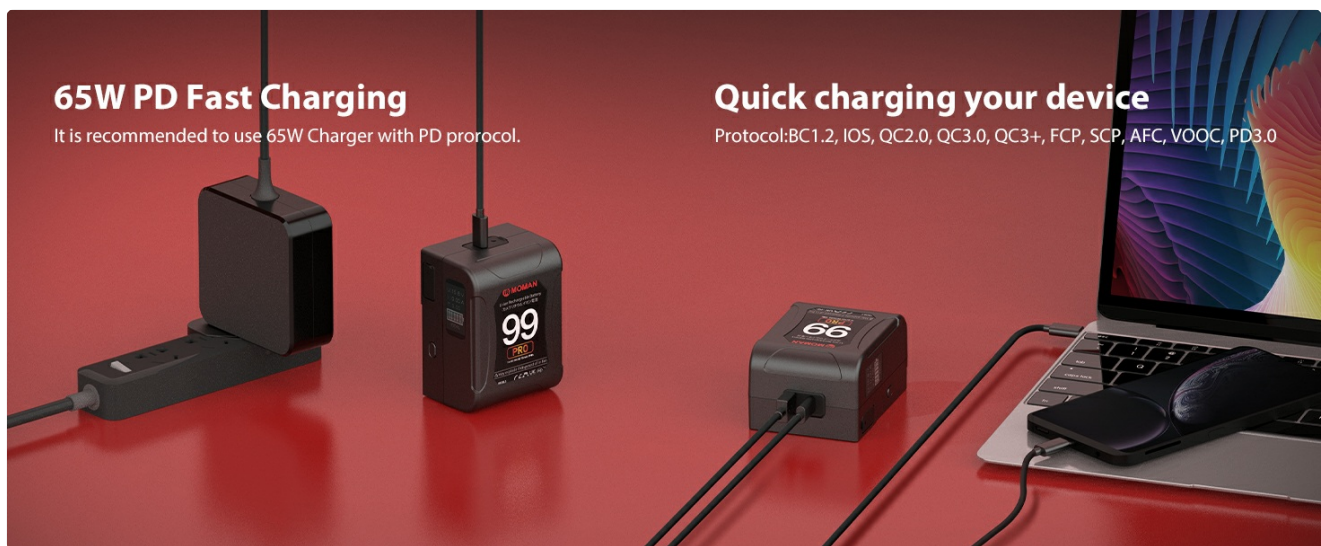


Image: Detailed view of the Moman Power 99 Pro's multiple input/output ports.

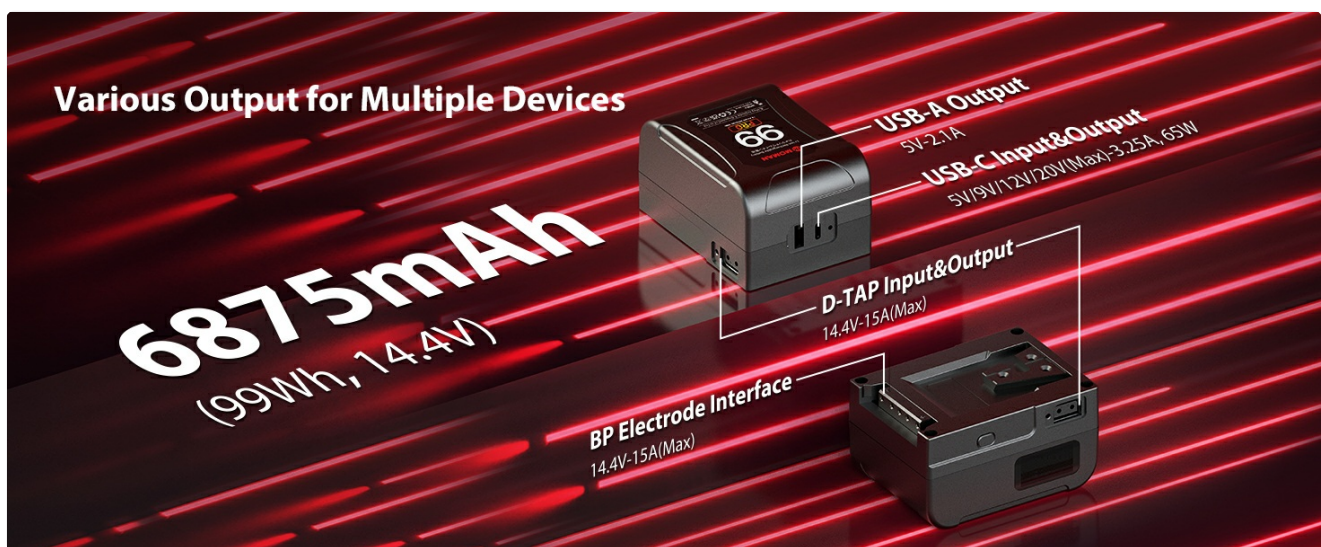


Image: Examples of devices powered by the Moman Power 99 Pro, demonstrating its 200W output capability.

Video: A short demonstration of the Moman Power 99 Pro's visual time-display feature.

Video: An in-depth look at using V-Mount batteries for camera setups, featuring the Moman Power 99 Pro.

Video: Review and demonstration of the Moman Power 99 Pro, highlighting its features and use with video lights.

5. Maintenance

To ensure the longevity and optimal performance of your Moman Power 99 Pro battery:

- **Regular Charging:** Fully charge the battery after each use, even if not completely depleted.
- **Storage:** Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, maintain a charge level of approximately 50-60%.
- **Cleaning:** Keep the contact points clean and free from dust or debris. Use a dry, soft cloth for cleaning.
- **Intelligent BMS:** The battery is equipped with an Intelligent Battery Management System (BMS) from Texas Instruments, offering protection against over voltage, over current, short circuit, over discharge, over heat, and over charge. This system helps maintain the battery's health and extends its lifespan up to 1000 cycles.



Image: The Intelligent Battery Management System (BMS) provides comprehensive protection for the battery.

6. Troubleshooting

- **Battery Not Charging:** Ensure the charging cable (USB-C or D-Tap) is securely connected and the power source is active. Check the OLED display for charging indicators.
- **Device Not Powering On:** Verify that the battery is sufficiently charged by checking the OLED display. Ensure all cables are correctly connected to the appropriate input/output ports on both the battery and the device.
- **Short Runtime:** If the battery's runtime is significantly shorter than expected, it might be due to high power draw from connected devices or the battery reaching the end of its life cycle.
- **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. The built-in BMS should prevent dangerous overheating.

7. Specifications

Feature	Detail
Brand	Moman
Model	Power 99 Pro
Item Weight	1.63 pounds
Package Dimensions	5.63 x 4.41 x 3.62 inches
Voltage	14.4 Volts
Amperage	15 Amps
Battery Cell Composition	Lithium Ion
Battery Capacity	6900 Amp Hours (99Wh)
Recommended Uses	Photographic Lighting, Cameras, Monitors
USB-A Output	5V-2.1A
USB-C Input & Output	5V/9V/12V/20V (Max 3.25A, 65W)

Feature	Detail
D-TAP Input & Output	14.4V-15A (Max)
BP Electrode Interface	14.4V-15A (Max)
Max Continuous Output	200 Watts
Cycle Life	Up to 1000 times

8. Safety Information

Please read and follow these safety guidelines to prevent damage to the battery or injury:

- Do not disassemble, open, crush, bend, deform, puncture, or shred the battery.
- Do not modify or remanufacture the battery, attempt to insert foreign objects into it, or immerse or expose it to water or other liquids.
- Do not expose the battery to fire, explosion, or other hazards.
- Only use the battery for its intended purpose.
- Avoid dropping the battery or subjecting it to strong impacts.
- Keep out of reach of children.

9. Package Contents



Package List



Power 99 Pro
V-Mount Battery x1



65W USB-C
Charging Cable x1
(PD Chargers up to 65W)



User Manual x1

Image: Contents included in the Moman Power 99 Pro package.

- Moman Power 99 Pro V-Mount Battery x1
- 65W USB-C Charging Cable x1 (PD Chargers up to 65W)
- User Manual x1

10. Warranty and Support

Moman stands by the quality of its products. The Power 99 Pro V-Mount Battery comes with:

- **30-Day Refund Policy:** If you are not satisfied with your purchase, you may be eligible for a full refund within 30 days.
- **18-Month Replacement:** The product is covered by an 18-month replacement policy for manufacturing defects.
- **Professional Online Support:** Access to 7/24 professional online support for any queries or assistance you may need.

For further assistance, please visit the official Moman website or contact customer support.