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**VIJIM VL99**

# VIJIM VL99 6700mAh 99Wh Mini V-Mount Battery Instruction Manual

Model: VL99

## 1. Introduction

Thank you for choosing the VIJIM VL99 Mini V-Mount Battery. This compact and powerful battery is designed to provide reliable power for a wide range of professional video and photography equipment, including cameras, camcorders, field monitors, and image transmitters. With multiple output ports and fast-charging capabilities, the VL99 offers a versatile power solution for filmmakers and photographers on the go. Please read this manual thoroughly before use to ensure proper operation and to maximize the lifespan of your battery.




Image 1.1: The VIJIM VL99 Mini V-Mount Battery, showcasing its compact size and compatibility with camera setups.

## 2. Important Safety Information

To prevent damage to the product or injury to yourself and others, please observe the following safety precautions:

- Do not disassemble, modify, or attempt to repair the battery.
- Do not expose the battery to water, moisture, or high humidity.
- Avoid strong impacts or dropping the battery.
- Do not expose the battery to fire or extreme temperatures (above 60°C / 140°F or below -10°C / 14°F).
- Keep the battery away from children.
- Use only specified chargers and cables for charging.
- If the battery shows signs of swelling, leakage, or unusual heat, discontinue use immediately.
- Dispose of the battery according to local regulations for lithium-ion batteries.




Image 2.1: The VIJIM VL99 features an intelligent protection system against overheat, overcurrent, overcharge, overdischarge, output overcurrent, input overcurrent, static low power, and equalization circuit issues.

## 3. Package Contents

Please check that all items are present in your package:

- VIJIM VL99 Mini V-Mount Battery
- User Manual
- (Optional accessories may vary based on purchase bundle)

## 4. Product Overview

The VIJIM VL99 V-Mount Battery is equipped with multiple interfaces for versatile power delivery and charging. Familiarize yourself with the ports and features:




Image 4.1: Detailed view of the VIJIM VL99 battery highlighting its USB-C, USB-A, D-TAP, and V-Mount ports.

- **V-Mount Lock:** For attaching the battery to V-mount plates on cameras or accessories.
- **USB-C Output/Input:** Supports up to 65W Power Delivery (PD) for fast charging the battery or powering compatible devices.
- **USB-A Port:** For charging smartphones, tablets, and other USB-powered devices.
- **D-TAP Ports (x2):** Versatile power output for various camera accessories.
- **DC Port:** Additional power output for compatible devices.
- **OLED Screen:** Displays real-time battery status, voltage, and remaining power.

# 5. Setup

## 5.1 Initial Charging

Before first use, it is recommended to fully charge the VIJIM VL99 battery. You can charge it using the USB-C port, D-TAP port, or a traditional V-mount charger.

1. Connect a compatible USB-C PD charger (up to 65W) to the battery's USB-C port, or a D-TAP charger to one of the D-TAP ports, or mount the battery onto a V-mount charger.
2. The OLED screen will indicate the charging status and current battery level.
3. Charging times vary depending on the method: approximately 2.5 hours via Type-C PD, 2 hours via D-TAP, and 3 hours via V-Mount charging.

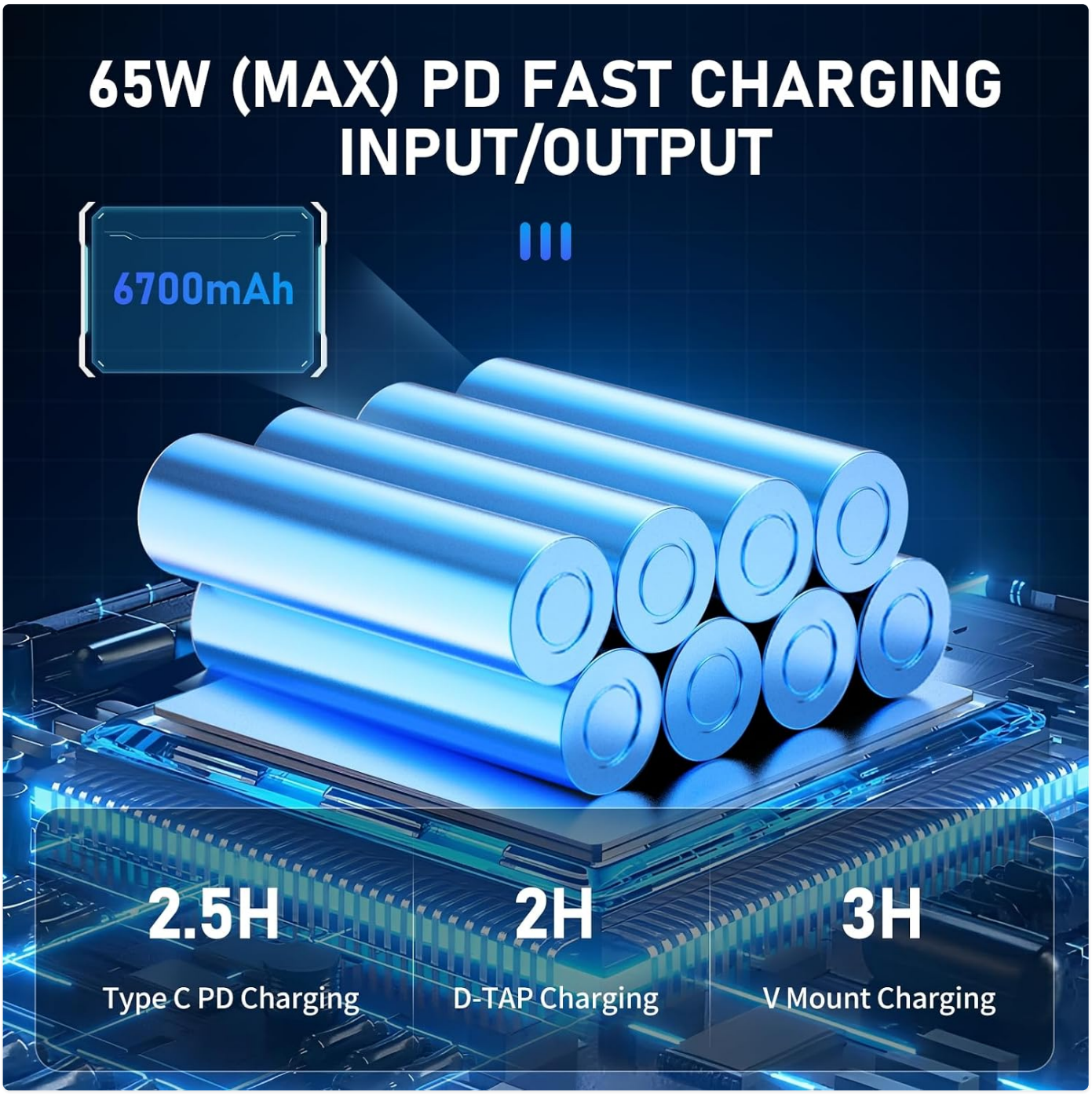



Image 5.1: Charging speed comparison for the VL99 battery using different input methods.

## 5.2 Mounting the Battery

To attach the battery to a V-mount plate:

1. Align the V-mount plate on your camera or accessory with the V-mount interface on the battery.
2. Slide the battery downwards until it clicks securely into place.

3. To remove, press the release button on the V-mount plate and slide the battery upwards.

# 6. Operating Instructions

## 6.1 Powering Devices

The VL99 battery can power multiple devices simultaneously through its various output ports:

- **D-TAP Ports:** Connect D-TAP compatible cables to power cameras, monitors, LED lights, and other accessories.
- **USB-C Port:** Use a USB-C to USB-C cable to power laptops, tablets, or other devices that support USB-C PD input.
- **USB-A Port:** Connect standard USB-A cables to charge smartphones or other small electronic devices.
- **DC Port:** Connect compatible DC cables for devices requiring DC input.




Image 6.1: Examples of the VL99 battery's multi-interface capabilities for powering professional equipment and personal devices.

## 6.2 OLED Display

The integrated OLED screen provides essential information about the battery's status:

- **Battery Percentage:** Shows the remaining charge level.
- **Voltage:** Displays the current output voltage.
- **Port Status:** Indicates which ports are active and their respective voltage/current.




Image 6.2: The OLED display provides accurate real-time information on battery status.

# 7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the battery's exterior. Do not use liquid cleaners or solvents.
- **Storage:** When storing the battery for extended periods, ensure it is charged to approximately 50-70% and stored in a cool, dry place away from direct sunlight. Recharge every 3-6 months to prevent deep discharge.

- **Temperature:** Avoid operating or storing the battery in extreme temperatures.
- **Cycle Life:** Lithium-ion batteries have a finite number of charge cycles. Proper care can help extend the battery's overall lifespan.

## 8. Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Battery not charging | Charger not connected properly; faulty charger/cable; battery protection activated. | Ensure connections are secure. Try a different charger or cable. If battery is too hot/cold, allow it to return to room temperature. |
| Device not powering on | Battery discharged; incorrect cable/port; device power requirements exceed battery output. | Check battery level and recharge if necessary. Ensure correct cable and port are used. Verify device power requirements. |
| OLED screen not displaying | Battery completely discharged; internal fault. | Attempt to charge the battery. If still unresponsive, contact customer support. |

## 9. Specifications

| Feature | Detail |
|---|---|
| Brand | VIJIM |
| Model | VL99 |
| Capacity | 6700mAh (14.8V), 99Wh |
| Battery Cell Composition | Lithium Ion |
| Input (USB-C) | 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3.25A (Max 65W PD) |
| Output (USB-C) | 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3.25A (Max 65W PD) |
| Output (USB-A) | 5V/3A, 9V/2A, 12V/2A (Max), 4.5V/5A, 5V/4.5A (Max) |
| Output (D-TAP) | 14.8V/14A (Max) |
| Output (DC) | Standard DC output for V-mount batteries (specific values not provided) |
| Charging Time | 2-3 hours (depending on charging method) |
| Dimensions | 3.97 x 2.89 x 2.03 inches (10.08 x 7.34 x 5.16 cm) |
| Weight | 1.21 pounds (550g) |

| Feature | Detail |
| --- | --- |
| Protection System | Overheat, Overcurrent, Overcharge, Overdischarge, Output Overcurrent, Input Overcurrent, Static Low Power, Equalization Circuit |

Note: Specifications are subject to change without prior notice.

## 10. Warranty and Support

VIJIM products are designed and manufactured to the highest quality standards. For information regarding warranty coverage, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official VIJIM website. Please retain your proof of purchase for warranty claims.

For further assistance, you may contact VIJIM customer support through their official channels.

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Model number, symptoms, what you tried, or the section of the manual you are using.

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