

Powerextra BP 95V

Powerextra BP-95 V-Mount Battery User Manual

Brand: Powerextra | Model: BP 95V

1. INTRODUCTION AND OVERVIEW

The Powerextra BP-95 V-Mount V-Lock Battery is a high-capacity 95Wh (6600mAh) lithium-ion battery designed for professional video and digital camera equipment. It provides reliable power for a wide range of compatible devices, including Sony video cameras, camcorders, broadcast equipment, DSLRs, LED lights, and monitors. Featuring a D-tap output and an independent 5V/2.1A USB output, it offers versatile power solutions for various accessories and can even charge smartphones. Built with durable Grade 18650 cells, the battery ensures safety and stability with built-in circuit protection against overcharging, short circuits, high temperatures, and overcurrent. A 4-level LED indicator displays the remaining charge, providing clear status updates during use.





Figure 1: Powerextra BP-95 V-Mount Battery

2. KEY FEATURES

- **High Capacity:** 6600mAh/95Wh, 14.8V Polymer Li-ion battery, providing extended operational time.
- **Broad Compatibility:** Designed for Sony Camera and Camcorder models including DSR-250/300/370K2/570WSL/600P, EX250/330/350 S270, PMW-EX330K/330L 580K/580L, PMW-F5 F55 F23 F35 F3K F3L, PWM-FS5/FS7, TD300 680/700/850, HDW-F900R 800P 680, PDW-700/850, DVM-7/70/707P/709WSP/790WSP/90/90WS, BVP-5/50/550W/7/70/90-BVV5, BVW-200/300/400/400A/505/507/550/570/590/D600, and other V-mount devices.
- **Safety and Reliability:** Features durable Grade 18650 cells with over 400+ recharge cycles. Safety certified with CE/FCC/RoHS, and includes built-in circuit protection against overcharging, short circuits, high temperatures, and overcurrent.
- **LED Display:** A 4-level LED indicator provides a clear display of the remaining charge.
- **Versatile Outputs:** Equipped with a Power D-tap output and an independent 5V/2.1A USB output, suitable for charging smartphones and other USB-powered devices.

Instruction for the Light

Light indicator

Battery indicator



Red light on: Charging



Red light off: Full charged



Blue light on: Check the battery



Figure 2: LED Indicator for Charge Status



Figure 3: Charging and USB Output Ports



Figure 4: Battery in use with a camcorder

3. SETUP

3.1 Initial Charging

Before first use, fully charge the battery. The battery comes with a wall plug and charger for self-charging. Connect the charger to the battery's charging port and plug it into a standard wall outlet. The LED indicators will show charging progress. A red light indicates charging, and the light turning off indicates a full charge.

3.2 Attaching to Devices

The BP-95 battery features a V-mount interface for secure attachment to compatible cameras, camcorders, and other V-mount plates. Align the battery with the V-mount plate on your device and slide it down until it clicks securely into place. Ensure a firm connection to prevent accidental detachment during operation.



Figure 5: V-Mount Interface

4. OPERATING INSTRUCTIONS

4.1 Powering Devices via V-Mount

Once securely mounted, the battery will provide power to your V-mount compatible device. Standard working time on a full charge is approximately 5 hours, depending on the power consumption of the connected equipment.

4.2 Using the D-Tap Output

The D-tap port allows you to power external accessories such as LED lights, monitors, or other D-tap compatible devices. Connect your accessory's D-tap cable to the battery's D-tap port. Ensure the accessory's voltage requirements are compatible with the battery's output.

4.3 Using the USB Output

The independent 5V/2.1A USB output can be used to charge or power USB-compatible devices like smartphones, tablets, or small USB lights. Simply connect your device's USB cable to the battery's USB port.



Figure 6: Charging a Smartphone via USB

4.4 Checking Battery Level

Press the small button next to the LED indicators to check the remaining charge. Blue lights indicate the battery level. Four blue lights mean full charge, while fewer lights indicate a lower charge.

5. MAINTENANCE

5.1 General Care

To ensure optimal performance and longevity of your Powerextra BP-95 battery, follow these guidelines:

- Use the recommended charger only.
- Charge and operate the battery at temperatures between 0°C and 40°C (32°F and 104°F).
- Keep the battery pack away from fire and extreme heat.
- Do not disassemble or attempt to repair the battery.
- Do not crush, puncture, or short external contacts.
- Clean the battery contacts periodically with a dry, soft cloth to ensure good electrical conductivity.

5.2 Storage

When storing the battery for extended periods, ensure it is charged to approximately 50-70% capacity. Store it in a cool, dry place away from direct sunlight and extreme temperatures. Recharge the battery every 3-6 months to prevent deep discharge, which can reduce its lifespan.

6. TROUBLESHOOTING

6.1 Battery Not Charging

- **Check Charger Connection:** Ensure the charger is properly connected to the battery and the power outlet.
- **Verify Charger Functionality:** If possible, test the charger with another compatible battery or device to confirm it is working.
- **Inspect Battery Contacts:** Check for any dirt, debris, or damage on the battery's charging contacts and the charger's pins. Clean if necessary.
- **Temperature:** Ensure the battery is within the recommended charging temperature range (0°C to 40°C).

6.2 Device Not Powering On

- **Check Battery Charge:** Verify the battery has sufficient charge using the LED indicator.
- **Secure Connection:** Ensure the battery is firmly seated on the V-mount plate or that D-tap/USB cables are securely connected.
- **Device Compatibility:** Confirm that your device is compatible with the battery's voltage and power output.
- **Overload Protection:** If the battery has been subjected to an overload, it might temporarily shut down. Disconnect all devices, wait a few minutes, and try again.

6.3 Short Battery Life

- **Device Power Consumption:** High power-consuming devices will drain the battery faster.
- **Battery Age:** Over time, all rechargeable batteries experience a reduction in capacity. The BP-95 is rated for over 400+ cycles.
- **Charging Habits:** Frequent deep discharges or charging outside recommended temperatures can reduce overall battery lifespan.

7. SPECIFICATIONS

Product Dimensions	7.4 x 4.72 x 3.15 inches
--------------------	--------------------------

Item Weight	1.59 pounds
Model Number	BP 95V
Battery Type	Lithium Ion (Polymer Li-ion)
Battery Capacity	6600 mAh / 95 Wh
Voltage	14.8V
USB Output	5V / 2.1A
Safety Certifications	CE/FCC/RoHS
Recharge Cycles	Over 400+

8. WARRANTY AND SUPPORT

Powerextra is committed to providing high-quality products and excellent customer service. Your BP-95 V-Mount Battery comes with a **12-month hassle-free warranty**.

For any inquiries, technical support, or warranty claims, please contact Powerextra customer service. We offer:

- 12-Hour Response Time
- 7*24 Hour Stand-By Support
- Lifetime Support

You can find more information and contact details by visiting the official Powerextra store on Amazon: [Powerextra Store](#).