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VLM Sky Viper S1700, S1750, V2400HD, V2450FPV, V2450GPS, Scout, Journey Compatible Battery

Instruction Manual

VLM 3.7V 750mAh Li-Po Battery for Sky Viper Drones

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your VLM 3.7V 750mAh Li-Po Battery. This battery is designed as a compatible replacement for various Sky Viper drone models, ensuring your device remains operational.

1.1 Product Compatibility

This battery is compatible with the following Sky Viper drone models:

- Sky Viper S1700
- Sky Viper S1750
- Sky Viper V2400HD
- Sky Viper V2450FPV
- Sky Viper V2450GPS
- Sky Viper Scout
- Sky Viper Journey

1.2 Safety Precautions

Always adhere to the following safety guidelines to prevent damage to the battery, drone, or personal injury:

- Do not overcharge or over-discharge the battery.
- Do not expose the battery to extreme temperatures, direct sunlight, or fire.
- Do not puncture, drop, or disassemble the battery.
- Keep the battery away from water and moisture.
- Store the battery in a cool, dry place when not in use.
- Supervise charging at all times.
- If the battery swells, leaks, or shows any signs of damage, discontinue use immediately and dispose of it properly.

2. SETUP

2.1 Initial Charging

Before first use, fully charge the battery using a compatible Li-Po battery charger. Refer to your drone's original manual or charger instructions for specific charging procedures. Ensure the charger's voltage and current settings are appropriate for a 3.7V Li-Po battery.



Figure 2.1: Close-up view of the VLM 3.7V 750mAh Li-Po Battery, showing its specifications and proper disposal instructions.

2.2 Battery Installation

To install the battery into your Sky Viper drone:

1. Ensure the drone is powered off.
2. Locate the battery compartment on your specific Sky Viper drone model. This is typically on the underside or rear of the drone.
3. Carefully open the battery compartment cover.
4. Insert the VLM 3.7V 750mAh Li-Po Battery, ensuring the connector aligns correctly with the drone's battery port. Do not force the connection.
5. Securely close the battery compartment cover.



Figure 2.2: The VLM 3.7V 750mAh Li-Po Battery shown alongside various Sky Viper drone models, illustrating its compatibility and typical size relative to the drones.

3. OPERATING GUIDELINES

Once installed and charged, the battery powers your Sky Viper drone. Always monitor the drone's battery indicator during operation. Discontinue flight and land the drone safely when the battery level is low to prevent over-discharge, which can damage the battery.

- Avoid flying until the battery is completely depleted.
- Allow the battery to cool down before recharging after a flight.
- Do not operate the drone in extreme cold or hot conditions, as this can affect battery performance and lifespan.

4. MAINTENANCE

4.1 Charging

Use only chargers designed for 3.7V Li-Po batteries. Overcharging can lead to battery damage or fire. Disconnect the battery from the charger once fully charged. Do not leave the battery charging unattended for extended periods.

4.2 Storage

For long-term storage, it is recommended to store the Li-Po battery at approximately 50% charge. Store in a cool, dry place, away from direct sunlight and flammable materials. Do not store fully charged or fully discharged for extended periods.

4.3 Cleaning

Wipe the battery and its connectors with a clean, dry cloth if necessary. Do not use liquid cleaners or immerse the battery in water.

4.4 Disposal

Li-Po batteries must be recycled or disposed of properly. Do not dispose of batteries in household waste. Consult your local

regulations for proper battery recycling and disposal facilities. Many electronics stores or recycling centers accept Li-Po batteries.

5. TROUBLESHOOTING

If you encounter issues with your VLM battery, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Battery not charging	Charger malfunction, damaged battery connector, battery over-discharged.	Check charger functionality. Ensure connectors are clean and undamaged. If battery is severely over-discharged, it may not recover.
Short flight time	Battery not fully charged, aging battery, drone power consumption.	Ensure battery is fully charged before use. Li-Po batteries degrade over time; consider replacement if old. Check drone for any unusual power draw.
Battery swells or heats excessively	Overcharging, physical damage, internal short circuit.	Immediately discontinue use. Do not attempt to charge or use. Dispose of the battery safely according to local regulations.

6. SPECIFICATIONS

Battery Type: Lithium Polymer (Li-Po)

Voltage: 3.7 Volts

Capacity: 750 Milliampere Hour (mAh)

Item Weight: 1.13 ounces (approx. 32 grams)

Package Dimensions: 3.5 x 2.2 x 0.94 inches (approx. 8.9 x 5.6 x 2.4 cm)

Manufacturer: VLM Group

7. WARRANTY AND SUPPORT

For questions regarding your VLM battery or for support, please contact the seller directly through the platform where the purchase was made. Refer to your purchase documentation for specific return and warranty policies. The manufacturer, VLM Group LLC, handles customer inquiries and support for this product.

Please note that a restocking fee may be withheld if an item is returned. It is advisable to clarify any questions before making a purchase.

