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OMPHOBBY OSHM1024

OMPHOBBY M1 OSHM1024 2S 350mAh 50C Lithium Battery Pack User Manual

Essential Guide for Safe and Optimal Use

1. Introduction

This manual provides detailed instructions for the OMPHOBBY M1 OSHM1024 2S 350mAh 50C Lithium Battery Pack. This battery is designed as an original replacement part for the OMPHOBBY M1 RC Helicopter, ensuring compatibility and optimal performance. Please read this manual thoroughly before using the battery to ensure safe operation and extend its lifespan.

2. Safety Information

Lithium Polymer (LiPo) batteries require careful handling. Failure to follow these safety guidelines can result in fire, personal injury, and property damage.

- **Charging:** Always use a LiPo-compatible charger with a balance function. Never charge unattended. Charge in a fire-safe area, away from flammable materials.
- **Storage:** Store LiPo batteries at a 'storage voltage' (typically 3.8V per cell) in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Handling:** Do not puncture, crush, short-circuit, or disassemble the battery. Avoid dropping the battery.
- **Damage:** If the battery becomes swollen, damaged, or shows any signs of leakage, discontinue use immediately and dispose of it properly.
- **Disposal:** Dispose of damaged or old LiPo batteries according to local regulations. Never throw them in regular trash.
- **Children:** Keep batteries out of reach of children.

3. Product Overview

The OMPHOBBY OSHM1024 is a 2S (7.4V) 350mAh 50C Lithium-ion battery pack specifically designed for the OMPHOBBY M1 RC Helicopter. It provides reliable power and is an essential component for maintaining the performance of your helicopter.



Image: OMPHOBBY M1 OSHM1024 2S 350mAh 50C Lithium Battery Pack, showing its compact design and connector.

The OSHM1024 battery is part of a comprehensive range of spare parts available for the OMPHOBBY M1 helicopter, ensuring you can easily replace components as needed.



Image: A diagram illustrating various OMPHOBBY M1 spare parts, with the OSHM1024 battery pack clearly labeled among them.

4. Setup and Installation

Installing the OSHM1024 battery into your OMPHOBBY M1 RC Helicopter is a straightforward process:

1. **Power Off:** Ensure your OMPHOBBY M1 helicopter is powered off and disconnected from any power source before beginning installation.
2. **Locate Battery Compartment:** Identify the battery compartment on your OMPHOBBY M1 helicopter. Refer to your helicopter's main instruction manual if unsure.
3. **Remove Old Battery (if applicable):** Carefully disconnect and remove the old battery, if present.
4. **Insert New Battery:** Gently insert the OSHM1024 battery into the compartment, ensuring it fits snugly without force.
5. **Connect:** Connect the battery's power connector to the helicopter's power port, ensuring correct polarity.
6. **Secure:** Close the battery compartment or secure the battery with any provided straps or clips.

Always double-check all connections before powering on your helicopter.

5. Operating the Battery

Once installed, the OSHM1024 battery is ready for use with your OMPHOBBY M1 RC Helicopter. Follow these guidelines for optimal operation:

- **Initial Charge:** Before first use, fully charge the battery using a compatible LiPo balance charger.
- **Flight Duration:** Monitor your helicopter's flight performance. Reduced power or flight time indicates the battery is nearing depletion.
- **Avoid Over-Discharge:** Do not completely discharge the battery. Over-discharging can permanently damage LiPo cells. Most RC helicopters have low-voltage cutoffs, but it's best to land before this engages.
- **Temperature:** Avoid operating the battery in extremely hot or cold conditions, as this can affect performance and lifespan.

6. Maintenance

Proper maintenance will prolong the life and performance of your OSHM1024 battery:

- **Charging Practices:** Always balance charge your LiPo battery. This ensures all cells are charged equally, which is crucial for battery health.
- **Storage:** For long-term storage (more than a few days), charge or discharge the battery to its storage voltage (3.8V per cell). Store in a cool, dry place.
- **Inspection:** Regularly inspect the battery for any signs of damage, swelling, or wear on the connectors and wires.
- **Cleaning:** Keep the battery and its connectors clean and free from dirt or debris.

7. Troubleshooting

If you encounter issues with your OSHM1024 battery, consider the following:

Problem	Possible Cause	Solution
Battery not charging	Faulty charger, poor connection, damaged battery.	Check charger and connections. Try another charger if available. If battery is swollen, dispose of it safely.
Short flight time	Battery not fully charged, aging battery, over-discharge.	Ensure full balance charge. Replace battery if it's old or consistently underperforming. Avoid over-discharging.
Battery gets hot during charge/discharge	Overcharging, internal damage, excessive current draw.	Stop use immediately. Allow to cool. If swelling occurs, dispose of safely. Ensure charger settings are correct.

8. Specifications

Feature	Detail
Brand	OMPHOBBY
Model Number	OSHM1024
Battery Type	Lithium-ion (LiPo)

Feature	Detail
Voltage	7.4 Volts (2S)
Capacity	350 mAh
Discharge Rate (C-rating)	50C
Weight	30 Grams
Dimensions (L x W x H)	10 x 10 x 10 millimeters (approximate)
Recommended Use	OMPHOBBY M1 RC Helicopter
UPC / GTIN	728886869374

9. Warranty and Support

For warranty information and technical support regarding your OMPHOBBY OSHM1024 battery pack, please refer to the documentation included with your OMPHOBBY M1 RC Helicopter or visit the official OMPHOBBY website. You may also contact OMPHOBBY customer service directly for assistance.

OMPHOBBY Official Website: www.omphobby.com

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