

Zeee 3S Shorty Lipo 2200mAh 11.1V 50C

Zeee 3S Shorty Lipo 2200mAh 11.1V Battery User Manual

Model: 3S Shorty Lipo 2200mAh 11.1V 50C

Brand: Zeee

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Zeee 3S Shorty Lipo 2200mAh 11.1V 50C Battery with EC3 Plug. Please read this manual thoroughly before operating the battery to ensure proper handling, charging, and maintenance, thereby maximizing its lifespan and ensuring user safety.

2. SAFETY WARNINGS

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

- Users must read this safety manual before using the battery.
- Only use a Lithium Polymer (LiPo) specific balance charger. Do not use NiMH, NiCd, or lead-acid chargers.
- The suggested charge rate is 0.5 - 1C. Exceeding this rate can damage the battery and pose a fire risk.
- Never charge the battery unattended. Always monitor the charging process.
- Do not puncture, disassemble, short-circuit, or expose the battery to extreme temperatures or direct sunlight.
- Store batteries in a fire-safe container or bag, away from flammable materials.
- If the battery swells, leaks, or shows any signs of damage, discontinue use immediately and dispose of it properly.

3. PRODUCT SPECIFICATIONS

The Zeee 3S Shorty Lipo battery is engineered for performance and reliability in various RC applications.

Specification	Value
Battery Voltage	11.1V
Configuration	3S1P

Specification	Value
Capacity	2200mAh
Discharge Rate	50C
Connector Type	EC3 Connector
Balance Connector	JST-XH
Dimensions (L*W*H)	75mm * 34mm * 26.5mm (2.95in * 1.34in * 1.04in)
Approx. Weight	137g (4.83oz)
Battery Cell Composition	Lithium Polymer



Figure 3.1: Zeee 3S Lipo Battery Dimensions. The battery measures 75mm in length, 34mm in width, and 26.5mm in height, with a weight of approximately 137g.

Zeee 11.1V 50C 2200mAh Lipo Battery

● Specification

2200mAh <small>Battery Capacity</small>	11.1V <small>Battery Voltage</small>	50C <small>Continuous Rate</small>
EC3 <small>Discharging Plug</small>	JST-XH <small>Balance Connector</small>	3S1P <small>Configuration</small>
2.95*1.34*1.04in 75*34*26.5mm <small>Battery Dimension</small>	137g/4.83oz <small>Battery Weight</small>	

LIPO BATTERY

Figure 3.2: Zeee Lipo Battery Details. This image highlights the JST-XH balance connector, EC3 discharge connector, soft case construction, and 14AWG wiring.

4. SETUP AND INSTALLATION

Before installing the battery, ensure your RC model is powered off and all connections are secure.

1. **Inspect the Battery:** Before each use, visually inspect the battery for any signs of damage, swelling, or leaks. Do not use a damaged battery.
2. **Check Compatibility:** Verify that the voltage (11.1V), dimensions (75x34x26.5mm), and connector type (EC3) of this battery match the requirements of your RC model.
3. **Secure Installation:** Place the battery securely in the designated battery compartment of your RC model. Use straps or trays to prevent movement during operation.
4. **Connect Power:** Connect the EC3 discharge plug from the battery to the corresponding EC3 connector on your RC model's Electronic Speed Controller (ESC). Ensure a firm connection.
5. **Balance Lead:** If your model has a balance port for telemetry or monitoring, connect the JST-XH balance lead.



Powerful Performance

Fit for RC Airplane, Boat, RC Car, Vehicles, Trucks, etc.

Only if the voltage, dimension and the plug match, then it will fit for your rc model.



Figure 4.1: Battery Installation in an RC Vehicle. The image shows the Zeee Lipo battery properly secured within an RC car's battery compartment and connected to the ESC.

5. OPERATING INSTRUCTIONS

Proper operation ensures optimal performance and longevity of your Zeee LiPo battery.

- **Initial Charge:** Always fully charge the battery before its first use.
- **Monitor Voltage:** Do not discharge the battery below 3.0V per cell (9.0V for a 3S battery). Over-discharging can

permanently damage the battery. Use an ESC with a low-voltage cutoff or an external low-voltage alarm.

- **Temperature:** Operate the battery within a reasonable temperature range. Avoid extreme cold or heat, as this can affect performance and safety.
- **Post-Use:** After use, allow the battery to cool down before recharging. Store the battery at a storage voltage (typically 3.8V-3.85V per cell) if not used for an extended period.

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Video 5.1: Zeee Lipo Battery in Action. This video demonstrates Zeee Lipo batteries powering various RC models, showcasing their application in RC cars, boats, and airplanes.

6. CHARGING INSTRUCTIONS

Correct charging procedures are critical for the safety and lifespan of your LiPo battery.

1. **Use a LiPo Balance Charger:** Always use a charger specifically designed for Lithium Polymer batteries with a balance function.
2. **Connect Balance Lead:** Connect the battery's JST-XH balance lead to the balance port on your charger. This ensures each cell is charged equally.
3. **Connect Main Discharge Lead:** Connect the battery's EC3 discharge plug to the main output of your charger.
4. **Set Charger Parameters:** Set your charger to the correct battery type (LiPo), cell count (3S), and charging current. The suggested charge rate is 0.5 - 1C (e.g., for a 2200mAh battery, 1.1A to 2.2A).
5. **Monitor Charging:** Never leave a charging LiPo battery unattended. Monitor the battery and charger for any signs of overheating or swelling.
6. **Charging Environment:** Charge batteries on a non-flammable surface, away from combustible materials.

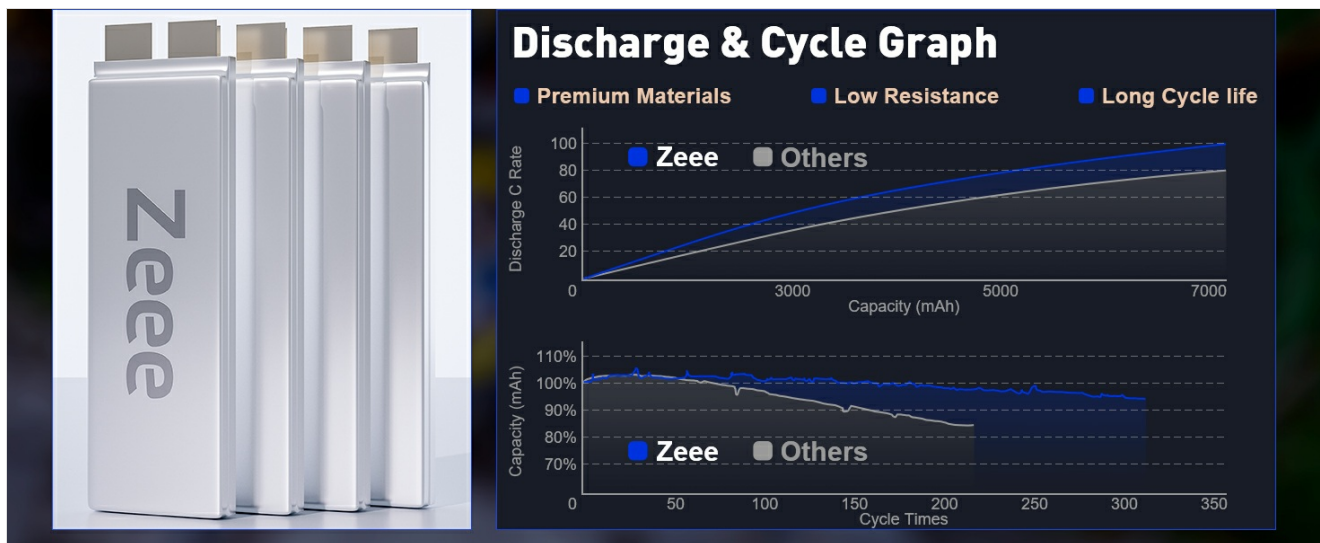


Figure 6.1: LiPo Battery Charging Setup. This image illustrates a Zeee Lipo battery connected to a balance charger, highlighting the proper connections for safe charging.

7. MAINTENANCE

Regular maintenance helps extend the life and performance of your LiPo battery.

- **Storage Voltage:** For long-term storage (more than a few days), charge or discharge the battery to its storage voltage (3.8V-3.85V per cell).
- **Cool Storage:** Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Physical Inspection:** Periodically inspect the battery for any physical damage, loose wires, or connector issues.

- **Avoid Over-Discharge:** Never leave a LiPo battery fully discharged for an extended period, as this can cause irreversible damage.

8. TROUBLESHOOTING

Common issues and their potential solutions for LiPo batteries.

- **Battery Not Charging:**
 - Ensure all connections (main and balance leads) are secure.
 - Verify charger settings match battery type (LiPo) and cell count (3S).
 - Check for damaged wires or connectors on both the battery and charger.
- **Reduced Run Time/Power:**
 - Battery may be aging or nearing its end of life.
 - Ensure the battery is fully charged before use.
 - Check for proper balance during charging; unbalanced cells can reduce performance.
- **Battery Swelling:**
 - Immediately discontinue use and charging.
 - This indicates internal damage, often due to overcharging, over-discharging, or physical impact.
 - Dispose of the battery safely according to local regulations.

9. COMPATIBILITY AND APPLICATION

The Zeee 2200mAh 3S RC Lipo battery is compatible with a wide range of RC models.

- **Recommended Uses:** RC cars, trucks, RC vehicles, RC boats, RC airplanes, helicopters, planes, FPV drones, and other hobby models.
- **Important Note:** Compatibility is ensured only if the voltage (11.1V), dimensions (75x34x26.5mm), and the EC3 plug type match the requirements of your specific RC model. Always verify these parameters before purchase and use.

10. PACKAGE CONTENTS

Upon opening your Zeee battery package, you should find the following items:

- 2 x Zeee 11.1V 50C 2200mAh Lipo Battery with EC3 Plug
- 1 x User Manual (this document)
- 1 x Wrapped Box



Package Included:

11.1V 50C 2200mAh Lipo Battery X2
User Manual X1 **Wrapped Box X1**

Figure 10.1: Package Contents. This image displays the items included in the Zeee 3S Lipo battery package.

11. WARRANTY AND SUPPORT

Zeee is committed to providing quality products and customer satisfaction. If you encounter any product problems or have questions, please contact us through the following methods:

- **Amazon Orders:** Navigate to "Your Orders" and select the "Contact Seller" option for your purchase.
- **Storefront:** Visit our Amazon storefront and click on "Ask a question."

Our customer support team aims to respond to inquiries within 24 hours.