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> Zeee 3S LiPo Battery 2200mAh 11.1V 35C Instruction Manual

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Model: 11.1V 35C 2200mAh

1. PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of your Zeee 3S LiPo Battery. The battery features a 2200mAh capacity, 11.1V nominal voltage, and a 35C discharge rate, equipped with a T Connector.



Package Included:

11.1V 35C 2200mAh Lipo Battery X2
User Manual X1 **Wrapped Box X1**

Figure 1: Package Contents. Each package includes two Zeee 3S 35C 2200mAh LiPo Batteries with T Plugs, a user manual, and a wrapped box.

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.

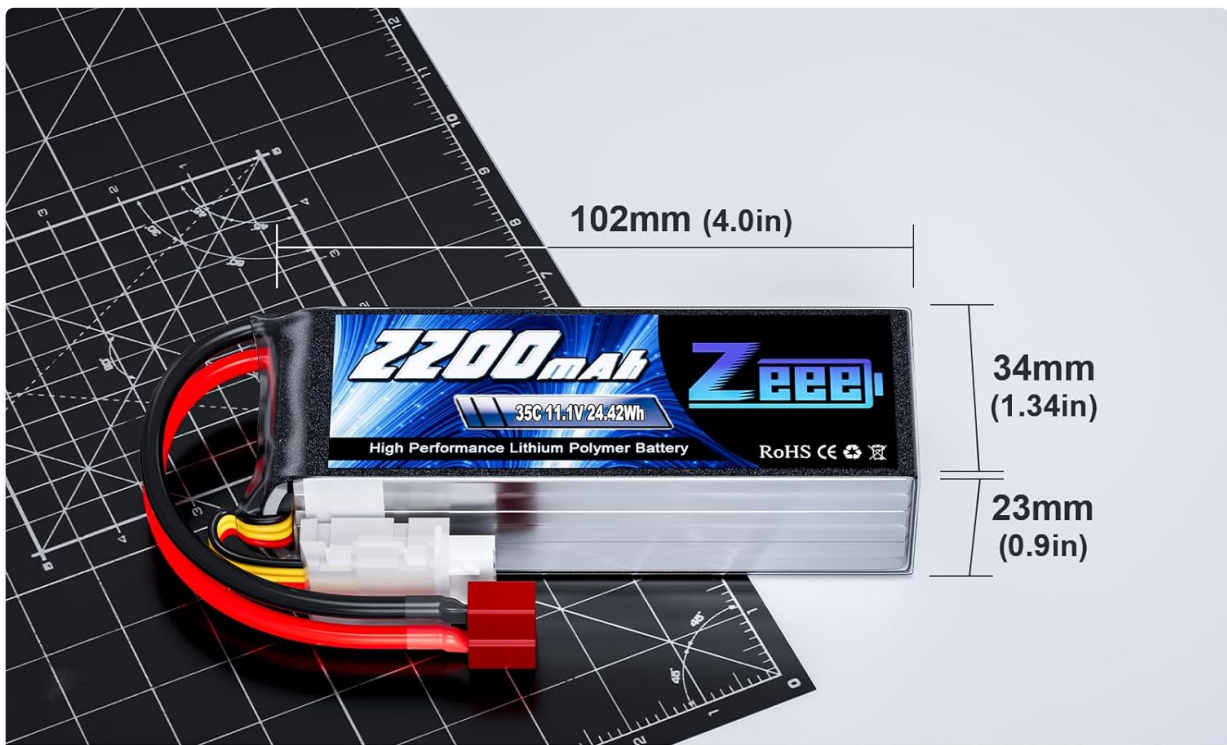
- Always read the safety manual thoroughly before using the battery.
- Use only Lithium Polymer (LiPo) specific balance chargers.
- Never charge batteries unattended.
- The charge rate should not exceed 1C.
- Charge batteries in an isolated area, away from flammable materials.
- Maintain battery cell voltage between 3.2V and 4.2V. Avoid over-charging and over-discharging.
- Do not puncture, disassemble, short-circuit, or expose the battery to extreme temperatures.
- Store batteries in a fireproof container or LiPo safety bag when not in use.



Figure 2: Charging and Usage Precautions. This image highlights critical safety steps during charging, including verifying cell voltage, using a LiPo balance charger, avoiding unattended charging, and maintaining safe charge rates and voltage ranges.

3. SPECIFICATIONS

Specification	Value
Battery Voltage	11.1V
Configuration	3S1P
Cell Voltage Range	3.2V ~ 4.2V
Capacity	2200mAh
Discharge Rate	35C
Connector Type	T Connector
Balance Connector	JST-XH
Dimensions (L*W*H)	102 x 34 x 23 mm (4.0 x 1.34 x 0.9 inches)
Approx. Weight	170g (6.0 oz)



Product Dimensions

Zeee RC Lipo Battery, Highest Performance for Your RC Models

Battery Dimension: 102*34*23mm / 4.0*1.34*0.9in

Battery Weight: 170g (6.0oz)

2200mAh

Battery Capacity

35C

Continuous Rate

11.1V

Battery Voltage

3S1P

Configuration

Figure 3: Battery Dimensions. The image provides a visual representation of the battery's length, width, and height.



Product Details

Zee Lipo Battery, Upgraded Series for More Enjoyment

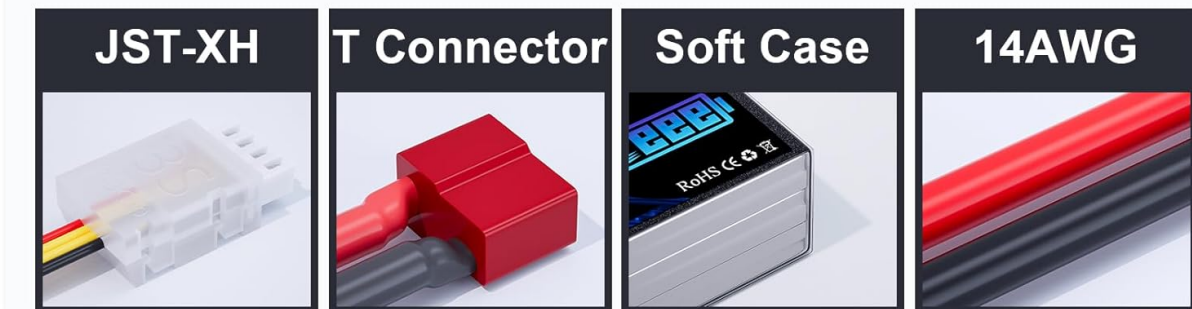


Figure 4: Product Details. This image highlights the JST-XH balance connector, T connector, soft case construction, and 14AWG wiring.

4. CHARGING INSTRUCTIONS

Proper charging is crucial for the longevity and safety of your LiPo battery. Always adhere to the following steps:

- 1. Verify Cell Voltage:** Before initiating charging, ensure all individual battery cells measure at least 3.2V and are balanced.
- 2. Use LiPo Specific Charger:** Only use a balance charger specifically designed for Lithium Polymer (LiPo) batteries.
- 3. Never Charge Unattended:** Monitor the battery throughout the charging process.
- 4. Charge Rate:** The safest charge rate is between 0.5C and 1C. For this 2200mAh battery, a 1C charge rate is 2.2 Amps.
- 5. Charging Environment:** Charge in a well-ventilated, isolated area, away from any flammable materials.
- 6. Voltage Range:** Ensure the battery voltage remains between 3.2V and 4.2V per cell. Avoid both over-charging (above 4.2V/cell) and over-discharging (below 3.2V/cell).

5. OPERATING INSTRUCTIONS

The Zeee 3S 2200mAh LiPo battery is suitable for various RC models. Ensure compatibility with your device's voltage, dimensions, and connector type before use.

- **Compatibility:** This battery is designed for RC airplanes, drones, RC helicopters, RC trucks, RC cars, and other compatible models such as Mini Shredder 200, Emax Nighthawk 250, and 400mm X-Sled. Verify that the voltage, dimensions, and plug type match your model's requirements.
- **Installation:** Securely install the battery in your RC model's battery compartment, ensuring no wires are pinched and the battery is not loose.
- **Connection:** Connect the T Connector to your model's ESC (Electronic Speed Controller) and the balance lead to your balance charger if performing a balance charge.
- **Discharge Limits:** Do not discharge the battery below 3.2V per cell to prevent irreversible damage and maintain battery health.



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 5: Typical Applications. The battery is compatible with a range of RC vehicles, provided voltage, dimensions, and connector match.

6. MAINTENANCE AND STORAGE

Proper maintenance and storage extend the lifespan of your LiPo battery.

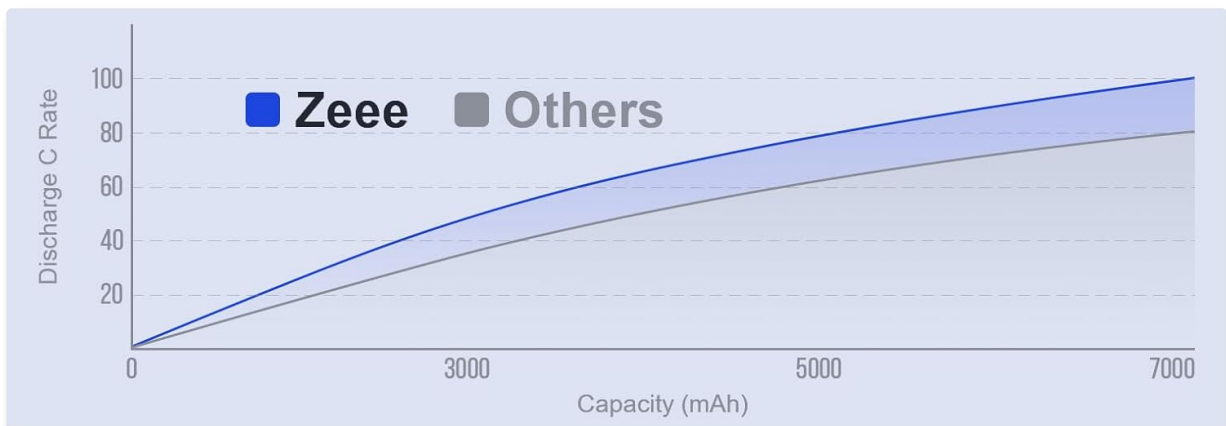
- **Storage Voltage:** For long-term storage, charge or discharge the battery to its storage voltage, typically around 3.8V per cell.
- **Storage Environment:** Store batteries in a cool, dry place, away from direct sunlight, heat sources, and flammable materials.
- **Physical Inspection:** Regularly inspect batteries for any signs of damage, swelling, or leaks. Discontinue use immediately if any damage is observed.
- **Disposal:** Dispose of damaged or old LiPo batteries responsibly at designated battery recycling centers. Never dispose of them in regular trash.



Figure 6: LiPo Safety Bag. Using a LiPo safety bag is recommended for charging, storage, and transport.

7. PERFORMANCE CHARACTERISTICS

The Zeee 3S LiPo battery is engineered for consistent performance. The discharge and cycle graphs below illustrate its characteristics compared to other batteries.



Discharge & Cycle Graph

Excellent Performance, Great Power For Your Rc Models

Premium Materials

Low Resistance

Long Cycle life

Figure 7: Discharge & Cycle Graph. This graph demonstrates the battery's discharge performance and capacity retention over multiple charge cycles.

8. TROUBLESHOOTING

If you encounter issues with your Zeee LiPo battery, consider the following common troubleshooting steps:

- **Battery Not Charging:** Ensure the charger is correctly connected, the battery's balance lead is properly inserted, and the charger settings match the battery type (LiPo 3S). Verify individual cell voltages are above 3.2V.
- **Reduced Run Time:** This can indicate an aging battery, over-discharge, or improper charging. Check for swelling.
- **Swelling:** If the battery appears swollen, discontinue use immediately. Swelling is a sign of internal damage and a potential safety hazard. Safely discharge and dispose of the battery.
- **Overheating:** If the battery becomes excessively hot during charging or discharge, stop immediately. This could indicate a short circuit, over-current, or internal damage.

9. MANUFACTURING PROCESS AND APPLICATION VIDEO

This video provides insight into the manufacturing process of Zeee LiPo batteries and showcases their application in various RC models.

Your browser does not support the video tag.

Video 1: Zeee LiPo Battery Production and Use. This video demonstrates the automated manufacturing steps involved in producing Zeee LiPo batteries and shows the batteries powering various remote-controlled vehicles like cars, boats, and drones.

10. WARRANTY AND SUPPORT

For any product-related inquiries or issues, please contact Zeee customer support.

- **Contacting Support:**

- a. Navigate to "Your Orders" and select the "Contact Seller" option for your purchase.
 - b. Alternatively, click "Ask a question" on the Zeee storefront.
- Customer support aims to respond within 24 hours.