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› Zeee 6S Lipo Battery 5000mAh 22.2V 120C Hard Case RC Battery User Manual

Zeee 6S 5000mAh 22.2V 120C Hard Case Lipo Battery with EC5 Connector

Zeee 6S Lipo Battery 5000mAh 22.2V 120C Hard Case RC Battery User Manual

Model: 6S 5000mAh 22.2V 120C Lipo Battery

1. PRODUCT OVERVIEW

The Zeee 6S Lipo Battery is a high-performance lithium polymer battery designed for various RC models including cars, trucks, airplanes, helicopters, quadcopters, and boats. This battery features a 5000mAh capacity, 22.2V voltage, and a 120C discharge rate, providing high energy density and excellent safety performance. It is built with premium-grade materials, offering lightweight design, long cycle life, and ultra-low impedance for optimal performance.

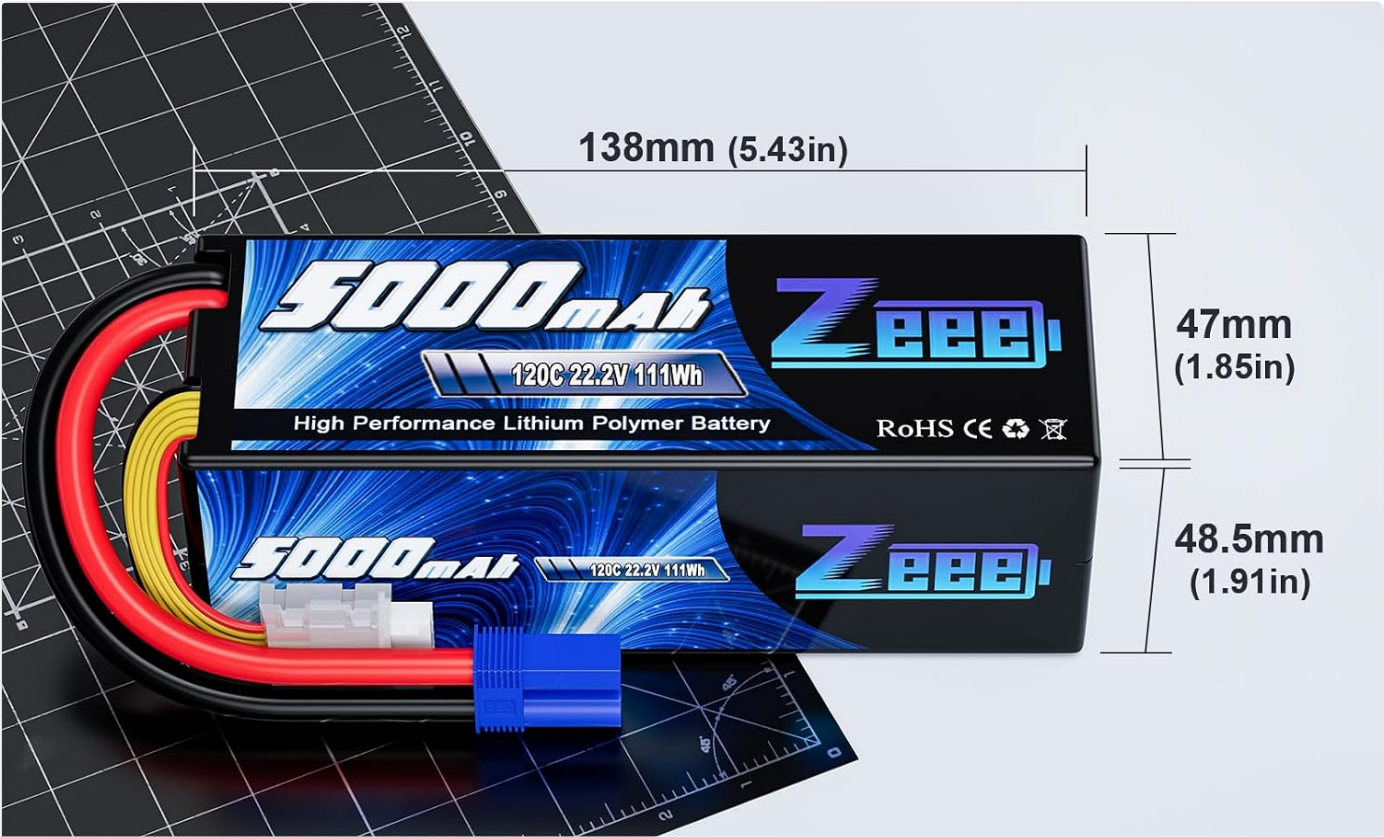


Figure 1.1: Two Zeee 6S 5000mAh Lipo Batteries with EC5 connectors, showcasing their hard case design and wiring.

2. SPECIFICATIONS

Feature	Detail
Battery Voltage	22.2V
Configuration	6S1P
Cell Voltage Range	3.2V ~ 4.2V
Capacity	5000mAh
Discharge Rate	120C
Connector Type	EC5 Connector
Balance Connector	JST-XH
Dimensions (L*W*H)	138 x 47 x 48.5 mm (5.43 x 1.85 x 1.91 inches)

Feature	Detail
Approx. Weight	603g (21.3oz)
Case Type	Hard Case



Product Dimensions

Zeee RC Lipo Battery, Highest Performance for Your RC Models

Battery Dimension: 138*47*48.5mm / 5.43*1.85*1.91in
Battery Weight: 603g (21.3oz)

5000mAh Battery Capacity	120C Continuous Rate	22.2V Battery Voltage	6S1P Configuration
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Figure 2.1: Detailed dimensions of the Zeee 6S 5000mAh Lipo Battery.



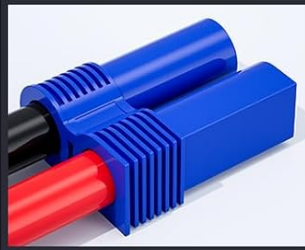
Product Details

Zeee Lipo Battery, Upgraded Series for More Enjoyment

JST-XH



EC5



Hard Case



10AWG

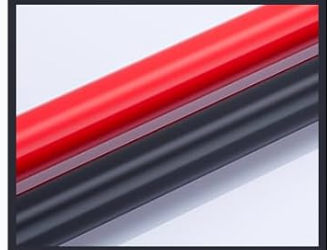


Figure 2.2: Key components and features of the Zeee Lipo Battery, including its JST-XH balance connector, EC5 discharge connector, hard case, and 10AWG power wires.

3. SAFETY WARNINGS

Lithium Polymer (LiPo) batteries require careful handling to ensure safety and longevity. Please adhere to the following safety guidelines:

- Users must read and understand this safety manual before using the battery.
- Only use a Lithium Polymer (LiPo) specific balance charger for charging. Using an incorrect charger can lead to fire or explosion.
- The suggested charge rate is 0.5C - 1C. While the battery is 5C fast charge capable, charging at lower rates (0.5C-1C) is recommended for optimal battery life and safety.
- **Never charge the battery unattended.** Always monitor the charging process.
- Do not over-discharge the battery. The cell voltage should not drop below 3.2V. Over-discharging can permanently damage the battery.
- Do not overcharge the battery. The cell voltage should not exceed 4.2V. Overcharging can lead to swelling, fire, or

explosion.

- Store batteries in a cool, dry place, away from direct sunlight and flammable materials. For long-term storage, charge the battery to a storage voltage of approximately 3.8V per cell.
- Inspect batteries for any damage (swelling, punctures, cuts) before each use. Do not use damaged batteries.
- In case of fire, use a LiPo-specific fire extinguisher or sand. Do not use water.

4. SETUP

Before using your Zeee Lipo Battery, ensure it is properly charged and ready for operation.

4.1 Charging the Battery

1. Connect the EC5 discharge connector of the battery to the appropriate port on your LiPo balance charger.
2. Connect the JST-XH balance connector of the battery to the balance port on your charger. This is crucial for ensuring all cells are charged equally.
3. Set your LiPo balance charger to the correct battery type (LiPo), cell count (6S), and capacity (5000mAh).
4. Set the charge current. The suggested charge rate is 0.5C to 1C. For a 5000mAh battery, this means a charge current of 2.5A to 5.0A.
5. Initiate the charging process. Always charge in a fire-safe area and monitor the battery for any signs of swelling or overheating.
6. Once charging is complete, disconnect the battery from the charger.

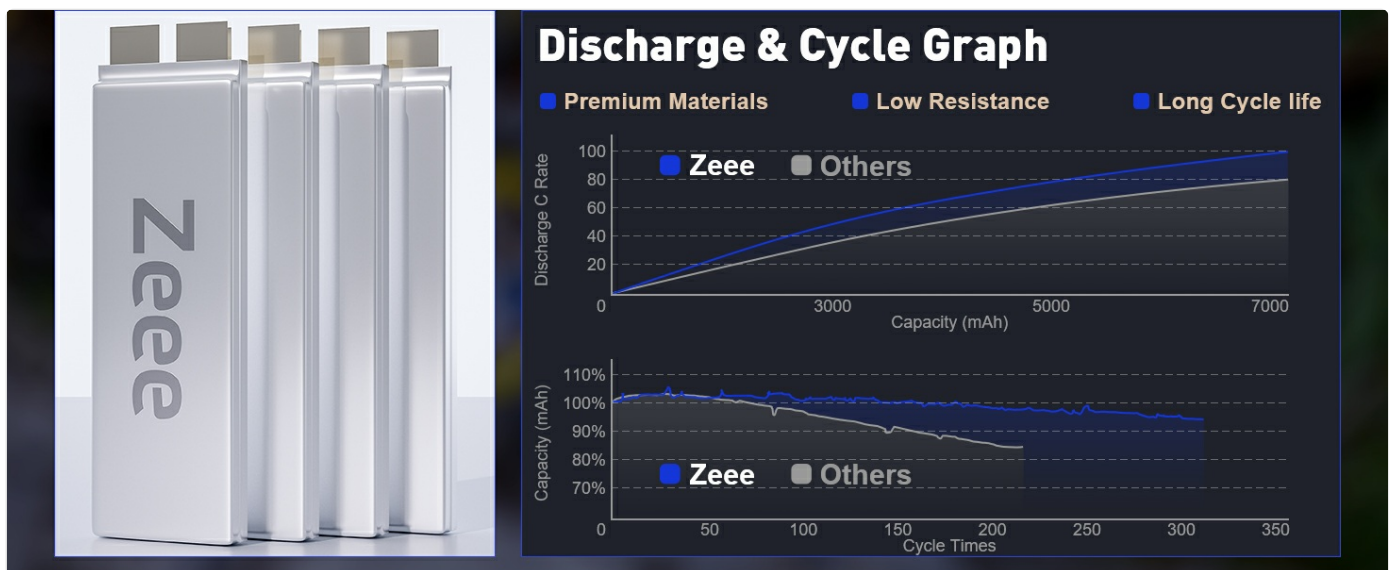


Figure 4.1: Proper connection of the Zeee Lipo Battery to a balance charger for safe and efficient charging.

5. OPERATING INSTRUCTIONS

The Zeee 6S 5000mAh Lipo Battery is designed for a wide range of RC applications. Ensure compatibility with your model before use.

5.1 Application Compatibility

This battery is compatible with various RC models, including:

- RC Cars and Trucks
- RC Airplanes
- RC Helicopters

- RC Quadcopters (Drones)
- RC Boats

Important: Always verify that the voltage (22.2V), dimensions (138x47x48.5mm), and plug type (EC5) of this battery match the requirements of your specific RC model before connecting and operating.



Discharge & Cycle Graph

Excellent Performance, Great Power For Your Rc Models

Premium Materials **Low Resistance** **Long Cycle life**

Figure 5.1: Examples of RC models compatible with the Zeee Lipo Battery, including a monster truck, airplane, boat, and helicopter.

5.2 Connecting and Disconnecting

- To connect: Align the EC5 connector of the battery with the corresponding connector on your RC model's Electronic Speed Controller (ESC) and push firmly until it clicks into place.
- To disconnect: Grasp the connectors firmly (do not pull by the wires) and pull them apart.

6. MAINTENANCE

Proper maintenance extends the life and ensures the safety of your LiPo battery.

- **Storage:** For short-term storage, keep the battery at room temperature. For long-term storage (more than a few days), charge or discharge the battery to a storage voltage of 3.8V per cell (approximately 22.8V for a 6S battery). Store in a cool, dry place, ideally in a LiPo-safe bag or container.
- **Temperature:** Avoid exposing the battery to extreme temperatures, both hot and cold. Do not leave batteries in direct sunlight or in a hot car.
- **Physical Inspection:** Regularly inspect the battery for any signs of damage, such as swelling, punctures, cuts, or frayed wires. If any damage is observed, discontinue use immediately and dispose of the battery safely.
- **Cleaning:** Keep the battery and connectors clean and free from dirt or debris. Use a soft, dry cloth for cleaning.
- **Disposal:** Do not dispose of LiPo batteries in regular household trash. They must be disposed of at a hazardous waste collection facility or a battery recycling center. Fully discharge the battery before disposal.



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 6.1: Discharge and Cycle Graph illustrating the performance and longevity of Zeee batteries compared to others, highlighting their long cycle life.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Zeee Lipo Battery.

7.1 Battery Performance Issues

- **Issue:** One or more cells show significantly higher internal resistance or do not balance properly during charging.
- **Possible Cause:** Cell degradation, manufacturing defect, or improper handling (e.g., over-discharge).
- **Solution:**
 - Ensure you are using a quality balance charger and that all connections are secure.
 - Attempt a slow charge/discharge cycle at very low amperage to try and re-balance the cells, if your charger supports this feature.
 - If the issue persists and significantly impacts performance or safety, discontinue use of the battery.
- **Issue:** Battery swells or becomes hot during charging or discharge.
- **Possible Cause:** Overcharging, over-discharging, internal short circuit, or physical damage.
- **Solution:** Immediately disconnect the battery and place it in a fire-safe location (e.g., outdoors on concrete, in a LiPo-safe bag). Do not attempt to use or charge a swollen battery. This indicates a serious safety risk.

7.2 General Issues

- **Issue:** Battery does not fit into the RC model's battery compartment.
- **Possible Cause:** Incorrect dimensions for your specific model.
- **Solution:** Always check the battery dimensions against your model's battery compartment specifications before purchase. Refer to Section 2. Specifications for battery dimensions.

8. WARRANTY AND SUPPORT

Zeee is committed to providing high-quality products and customer satisfaction.

8.1 Package Contents

Your package should include:

- 2 x Zeee 6S 120C 5000mAh Hard Case Lipo Battery with EC5 plug
- 1 x User Manual (this document)
- 1 x Wrapped Box



Package Included:

22.2V 120C 5000mAh Lipo Battery X2
User Manual X1 Wrapped Box X1

Figure 8.1: Contents included in the Zeee 6S Lipo Battery package.

8.2 Contacting Support

If you have any questions or encounter product problems, please contact Zeee customer support through the following methods:

1. Go to "Your Orders" on Amazon and click the "Contact Seller" option for your purchase.
2. Alternatively, click "Ask a question" on the Zeee storefront page.

Zeee aims to respond to inquiries within 24 hours.

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question