

Gens ace B-60C-5000-4S1P-Bashing-EC5

Gens ace 4S 5000mAh 14.8V 60C LiPo Battery Instruction Manual

Model: B-60C-5000-4S1P-Bashing-EC5

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Gens ace 4S 5000mAh 14.8V 60C LiPo Battery. Please read these instructions carefully before use to ensure optimal performance and longevity of your battery.

2. SAFETY INSTRUCTIONS

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 charger specifically designed for LiPo batteries. Never exceed a charge voltage of 4.2V per cell (16.8V for a 4S battery). Charge at a rate of 1C (5A for this 5000mAh battery) or less. Do not charge a warm battery; allow it to cool down first.
- **Discharging:** Do not discharge the battery below 3.2V per cell (12.8V for a 4S battery). Over-discharging can permanently damage the battery.
- **Storage:** For long-term storage, charge or discharge the battery to a storage voltage of 3.8V per cell (15.2V for a 4S battery). Store in a cool, dry place, away from direct sunlight and flammable materials.
- **Physical Damage:** Inspect the battery for any signs of damage (swelling, punctures, leaks) before each use. Do not use a damaged battery.
- **Temperature:** Avoid exposing the battery to extreme temperatures. Do not operate or store above 60°C (140°F).
- **Disposal:** Dispose of LiPo batteries responsibly according to local regulations. Never dispose of them in regular trash.

3. PRODUCT SPECIFICATIONS

Voltage: 14.8V

Configuration: 4S1P

Capacity: 5000mAh

Discharge Rate: 60C

Connector Type: EC5

Balance Connector: JST-XHR-5P

Wire Gauge: AWG10# Silicone Wire

Dimensions (LxWxH): 137mm x 43mm x 34mm (5.39in x 1.69in x 1.34in)

Weight: 436g (0.96lb)

Battery Composition: Lithium Polymer

Recommended Use: 1/8, 1/10 Scale RC Cars (Buggy, Truggy, Monster Truck)



Image: Basic parameters and dimensions of the Gens ace 4S 5000mAh LiPo battery, showing its EC5 and JST-XHR-5P connectors.

4. PACKAGE CONTENTS

The package includes the following items:

- 1x Gens ace 4S 5000mAh 14.8V 60C LiPo Battery with EC5 Connector
- 1x User Manual (this document)
- 1x Wrapped Box



Image: The Gens ace 4S 5000mAh LiPo battery, its user manual, and the product box, illustrating the package contents.

5. SETUP

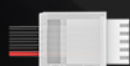
1. **Initial Inspection:** Upon receiving your battery, carefully inspect it for any signs of damage during shipping. Do not use if damaged.
2. **First Charge:** Before first use, fully charge the battery using a compatible LiPo charger. Ensure the balance lead (JST-XHR-5P) is connected to the charger's balance port and the main discharge lead (EC5) is connected to the main charge port.
3. **Compatibility Check:** Verify that your RC vehicle's Electronic Speed Controller (ESC) and motor are compatible with a 4S (14.8V) LiPo battery and the EC5 connector.

6. OPERATING THE BATTERY

1. **Connection:** Connect the EC5 connector of the battery to your RC vehicle's ESC. Ensure a secure connection.
2. **Usage:** Operate your RC vehicle as intended. Monitor battery performance and temperature during use.
3. **Disconnection:** After use, disconnect the battery from the ESC. Allow the battery to cool down before recharging or storing.
4. **Low Voltage Cutoff:** Ensure your ESC has a properly configured low voltage cutoff (LVC) for LiPo batteries to prevent over-discharging.

BASIC PARAMETER

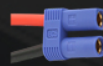
Voltage: 14.8V Discharge Rate: 60C Cell Configuration: 4S1P



JST-XHR-5P



AWG12#
Silicone Wire



EC5



Image: The Gens ace LiPo battery is designed for high-performance RC applications, including 1/8 scale buggies, truggies, and monster trucks.

7. MAINTENANCE

- Regular Charging:** Always charge your battery using a dedicated LiPo charger. Balance charge regularly to maintain cell voltage consistency.
- Temperature Management:** Avoid charging or discharging the battery when it is hot. Allow it to cool to ambient temperature.
- Storage Voltage:** For periods of inactivity longer than a few days, store the battery at 3.8V per cell. This significantly extends battery life.
- Physical Care:** Keep the battery clean and free from dirt or moisture. Protect it from impacts and sharp objects.
- Cycle Life:** Adhering to proper charging, discharging, and storage practices will maximize the battery's cycle life.

8. TROUBLESHOOTING

- **Battery Not Charging:**

Possible Cause: Incorrect charger settings or faulty charger/battery.

Solution: Double-check charger settings for 4S LiPo. Ensure all connections are secure. Try a different charger if available. If the battery is severely over-discharged, some chargers may not detect it.

- **Reduced Run Time/Power:**

Possible Cause: Battery degradation, over-discharge, or improper charging.

Solution: Ensure proper charging and storage. Check for cell imbalance using a LiPo checker. If the battery is old or frequently abused, its performance will naturally decline.

- **Battery Swelling:**

Possible Cause: Over-charging, over-discharging, physical damage, or internal cell failure.

Solution: Immediately discontinue use. Swollen batteries are dangerous and should be safely discharged and disposed of. Do NOT attempt to charge or use a swollen battery.

- **Overheating During Use:**

Possible Cause: Excessive current draw, incorrect gearing, or motor issues.

Solution: Check your RC vehicle's setup. Ensure the motor and ESC are not drawing more current than the battery's continuous discharge rating. Allow the battery to cool between runs.

9. WARRANTY AND SUPPORT

This Gens ace LiPo battery comes with a **2-year manufacturer's warranty**. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or further assistance, please contact Gens ace customer service or visit the official Gens ace store:

Gens ace Official Store: [Visit Gens ace Store on Amazon](#)