

BS Battery BSLi-03

BS Battery BSLi-03 Lithium Battery User Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your BS Battery BSLi-03 Lithium Battery. Designed for high performance and durability, this lithium-ion battery offers significant advantages over traditional lead-acid batteries, including reduced weight, extended service life, and improved cold-start performance. Please read this manual thoroughly before installation and operation.



Figure 1: The BS Battery BSLi-03 Lithium Battery, showcasing its compact design and terminal layout.

2. SAFETY INFORMATION

Your safety is paramount. Observe the following precautions to prevent injury or damage to the battery and equipment.

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when handling batteries.
- Do not short-circuit the battery terminals. This can cause severe sparks, heat, and potential fire.
- Do not disassemble, puncture, or modify the battery. Internal components are hazardous.
- Keep the battery away from open flames, excessive heat, and direct sunlight.
- Avoid dropping the battery or subjecting it to strong impacts.
- If the battery casing is damaged, discontinue use immediately and dispose of it properly.
- Do not immerse the battery in water or other liquids. While waterproof, prolonged submersion is not recommended.
- Dispose of spent batteries according to local regulations. Lithium batteries require special recycling procedures.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. PRODUCT FEATURES

The BS Battery BSLi-03 Lithium Battery incorporates advanced technology for superior performance:

- **Lightweight Design:** Up to 70% lighter than traditional lead-acid batteries, improving vehicle handling and performance.
- **Extended Service Life:** Offers a significantly longer lifespan and over 2000 charge cycles.
- **Low Self-Discharge:** Maintains charge for extended periods, allowing for engine starts even after long periods of inactivity.
- **Fast Charging:** Capable of rapid recharging.
- **Multi-Position Waterproof Design:** Can be installed in various orientations (up to 180°) and is resistant to water ingress.
- **Eco-Friendly:** Contains no acids or heavy metals, making it non-toxic and environmentally conscious.
- **High Heat Resistance:** Resistant to temperatures up to 230°C.
- **Ready to Use:** Plug and play functionality for immediate operation.
- **Impressive Low Temperature Performance:** Reliable starting power even in cold conditions.
- **State of Charge Indicator:** Integrated button and LED display to check battery charge level.



Figure 2: Visual representation of key features including rapid charging, lightweight, waterproof, and high charge cycles.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your BSLi-03 Lithium Battery. If you are unsure, consult a qualified technician.

1. **Remove Old Battery:** Disconnect the negative (-) terminal first, then the positive (+) terminal of the old battery. Carefully remove the old battery from its compartment.
2. **Prepare New Battery:** Ensure the BSLi-03 battery is clean and free from debris. No liquid filling is required as it is a sealed lithium battery.
3. **Install New Battery:** Place the BSLi-03 into the battery compartment. Secure it firmly to prevent movement during operation.
4. **Connect Terminals:** Connect the positive (+) terminal first, then the negative (-) terminal. Ensure all connections are tight and secure.
5. **Verify Installation:** Double-check all connections and ensure the battery is properly seated.



Figure 3: Step-by-step visual guide for battery replacement, emphasizing correct terminal connection order.

5. OPERATING INSTRUCTIONS

The BSLi-03 Lithium Battery is designed for straightforward operation.

- **Starting the Engine:** Once installed, the battery is ready to provide power for engine starting.

- **Checking State of Charge:** Press the integrated button on the battery to activate the LED indicator, which displays the current charge level.



Figure 4: The BSLi-03 battery showing its dimensions and the location of the state of charge indicator button.

6. MAINTENANCE

Minimal maintenance is required for the BSLi-03 Lithium Battery due to its advanced design.

- **Regular Inspection:** Periodically check the battery terminals for corrosion and ensure connections remain tight.
- **Cleaning:** Keep the battery surface clean and dry. Use a damp cloth if necessary.
- **Charging:** While the battery has a low self-discharge rate, if the vehicle is stored for extended periods, occasional charging with a compatible lithium battery charger is recommended to maintain optimal performance. Do not use chargers designed for lead-acid batteries unless they have a specific lithium mode.
- **Long-Term Storage:** For optimal longevity, store the battery in a cool, dry place. The battery can maintain a charge for up to 12 months without use, allowing for engine start if stored at appropriate temperatures (10-25°C).

7. TROUBLESHOOTING

If you encounter issues with your BSLi-03 Lithium Battery, consider the following:

- **Engine Not Starting:**
 - Check battery connections for tightness and corrosion.
 - Verify the battery's state of charge using the indicator button. If low, recharge the battery.
 - Ensure the vehicle's charging system is functioning correctly.
- **Battery Not Holding Charge:**
 - Confirm you are using a compatible lithium battery charger.
 - Inspect for any parasitic drains on the vehicle's electrical system.
 - If the battery is old, its capacity may have naturally diminished over time.
- **Unusual Odor or Swelling:** Immediately disconnect the battery and cease use. This indicates a serious internal issue. Contact support for guidance.

If troubleshooting steps do not resolve the issue, contact customer support.

8. SPECIFICATIONS

Key technical specifications for the BS Battery BSLi-03 Lithium Battery:

Specification	Value
Model Number	BSLi-03
Voltage	12V
Capacity (WH)	36 Wh
CCA (Cold Cranking Amps)	210 A
Capacity (Ah, 10Hr)	3 Ah
Dimensions (L x W x H)	134 mm x 65 mm x 92 mm
Item Weight	2.2 pounds (approx. 1 kg)
Terminal Type	Nut & Bolt
Manufacturer Part Number	BSLi-03/HJB9Q-FP/12N9-4B-1



Figure 5: Detailed specifications and compatibility chart for the BSLi-03 battery.

9. WARRANTY AND SUPPORT

Your BS Battery BSLi-03 Lithium Battery comes with a comprehensive warranty to ensure your peace of mind.

- **Warranty Period:** The BSLi-03 Lithium Battery is covered by a **2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
- **Claiming Warranty:** In the event of a warranty claim, please retain your proof of purchase and contact the retailer or BS Battery customer support.
- **Exclusions:** The warranty does not cover damage caused by improper installation, misuse, neglect, unauthorized modifications, or normal wear and tear.

商品をご購入される方に

B-Chowk

お約束

保証

品質に自信があるから、提供できる長期保証。

保証

納得の 2 年保証

搭載角度

培われた技術による安心搭載。

傾斜搭載可

耐用年数

最長 8 年 使用可能

※適切に使用した場合

低い放電率

12ヵ月放置後に **エンジン始動可**

(適切な室温は10〜25℃)

Figure 6: Information highlighting the 2-year warranty, flexible mounting angle, and potential lifespan of up to 8 years with proper use.

For further assistance or technical support, please refer to the contact information provided by your retailer or visit the official BS Battery website.

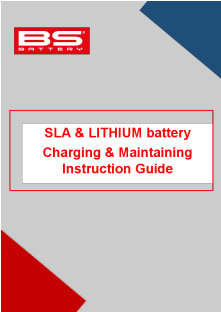
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	Traxxas Raptor R 4x4 Ultimate Owner's Manual: Operation and Maintenance Guide Comprehensive owner's manual for the Traxxas Raptor R 4x4 Ultimate remote-controlled vehicle. Covers setup, operation, safety precautions, maintenance, and advanced tuning for your Traxxas RC car.
	Circooter Raptor & Raptor Pro User Manual: Features, Safety, and Operation Comprehensive user manual for the Circooter Raptor and Raptor Pro electric scooters. Covers safety guidelines, specifications, assembly, riding tips, maintenance, warranty, and troubleshooting.

			
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FIND YOUR BATTERY		FIND YOUR CHARGER	

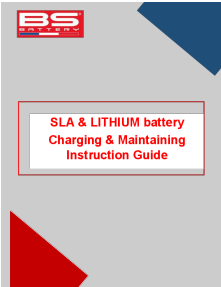
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Comprehensive instruction manual for BS Battery Lithium and Lithium Max batteries, covering features, precautions, charging, install
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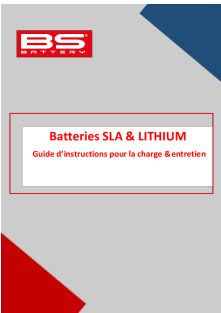
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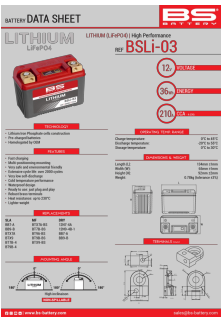
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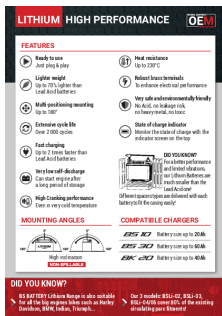
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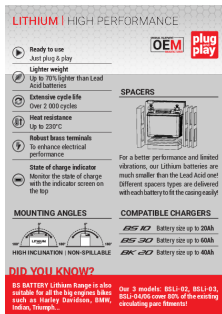
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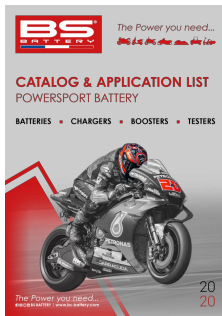
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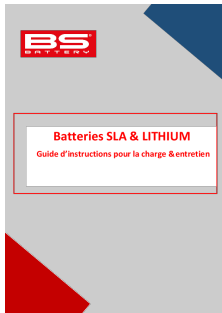
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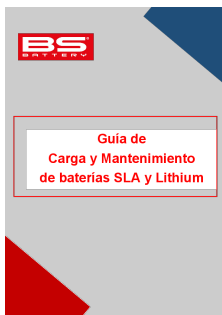
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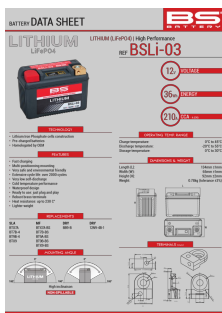
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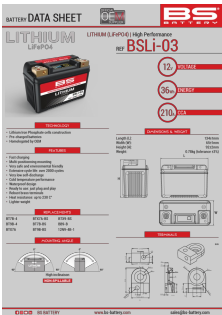
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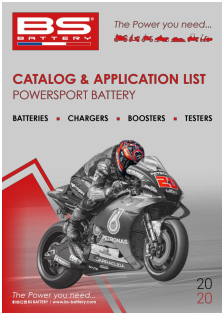
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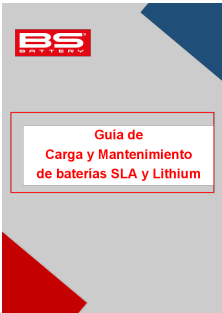
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