

## BS Battery High Performance Lithium Battery

# BS Battery High Performance Lithium Battery User Manual

Model: High Performance Lithium Battery (BSLi-04/BSLi-06)

### PRODUCT OVERVIEW

The BS Battery High Performance Lithium Battery is designed for superior power and longevity in various applications, particularly for motorcycles and powersports vehicles. This advanced lithium battery offers significant advantages over traditional lead-acid batteries, including lighter weight, enhanced performance, and extended durability.

- **Ready to Use:** No initial preparation required.
- **Lightweight Design:** Significantly lighter than traditional lead electrolyte batteries.
- **Flexible Mounting:** Can be mounted at up to 180 degrees, offering versatile installation options.
- **Fast Charging:** Efficiently recharges, reducing downtime.
- **Low Self-Discharge:** Maintains charge for extended periods, allowing for engine starts even after long storage.
- **Impressive Cold Cranking Performance:** Reliable starting power in cold conditions.
- **High Heat Resistance:** Withstands temperatures up to 446°F (230°C).
- **Robust Terminals:** Features durable brass terminals for optimal electrical conductivity.
- **Waterproof Design:** Ensures reliability in various environmental conditions.

### IMPORTANT SAFETY INFORMATION

**WARNING:** Assembly and use of this product must be entrusted to a person with the necessary assistance and expertise. Improper handling or installation can lead to serious injury or damage. Always follow all safety guidelines and local regulations.

- Always wear appropriate personal protective equipment (PPE) such as safety glasses and gloves when handling batteries.
- Do not short-circuit the battery terminals.
- Keep the battery away from open flames, sparks, and excessive heat.
- Do not disassemble, puncture, or damage the battery.
- Dispose of batteries according to local regulations.

### SETUP AND INSTALLATION

The BS Battery Lithium Battery is designed for straightforward installation. Ensure your vehicle's ignition is off and the negative terminal of the existing battery is disconnected first.

1. **Preparation:** Ensure the battery compartment is clean and free of debris. Verify that the battery dimensions (5.28"D x 2.56"W x 3.62"H) are compatible with your vehicle's battery tray.
2. **Positioning:** Place the new BS Battery Lithium Battery into the battery compartment. Its design allows for mounting at various angles (up to 180 degrees) to fit different vehicle configurations.
3. **Connecting Terminals:** Connect the positive (+) terminal of the battery first, then the negative (-) terminal. Use the robust brass terminals provided, ensuring a secure and tight connection.
4. **Securing the Battery:** Use appropriate straps or clamps to secure the battery firmly in place to prevent movement during operation.
5. **Initial Charge (if needed):** While the battery is "Ready to use," if it has been stored for an extended period, a brief charge with a compatible lithium battery charger is recommended to ensure optimal performance.



Image: The BS Battery High Performance Lithium Battery, showing its compact design, red top casing, gray body, and robust brass terminals. A "STATE OF CHARGE" indicator is visible on the top surface.

## OPERATING INSTRUCTIONS

Once installed, the BS Battery Lithium Battery operates like a standard vehicle battery, providing power for starting and electrical systems. Its advanced features enhance the user experience.

- **Engine Starting:** The battery provides impressive cold cranking performance, ensuring reliable engine starts even in low temperatures.

- **State of Charge Indicator:** The battery features a "STATE OF CHARGE" indicator on its top surface. Press the "TEST" button to check the current charge level. This helps in monitoring battery health.
- **Storage:** Due to its very low self-discharge rate, the battery can be stored for long periods without significant loss of charge, allowing the engine to start even after extended storage.
- **Charging:** If charging is required, use a charger specifically designed for lithium (LiFePO4) batteries. The battery supports fast charging.

## MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your BS Battery Lithium Battery.

- **Terminal Cleaning:** Periodically inspect and clean the brass terminals to prevent corrosion and ensure good electrical contact. Use a wire brush and a battery terminal cleaner if necessary.
- **Connection Check:** Ensure all connections to the battery terminals are tight and secure. Loose connections can lead to power loss and heat buildup.
- **Charging During Long Storage:** While the battery has a low self-discharge rate, for very long periods of inactivity (several months), it is advisable to connect it to a compatible lithium battery maintainer to keep it at an optimal charge level.
- **Environmental Conditions:** Although waterproof and heat-resistant, avoid exposing the battery to extreme conditions beyond its specified operating range for prolonged periods.

## TROUBLESHOOTING

If you encounter issues with your BS Battery Lithium Battery, consider the following common troubleshooting steps:

- **Engine Not Cranking or Cranking Slowly:**
  - Check the battery terminals for corrosion or loose connections. Clean and tighten as necessary.
  - Verify the battery's state of charge using the built-in indicator. If low, charge the battery with a compatible lithium charger.
  - Ensure the vehicle's charging system (alternator/stator) is functioning correctly.
- **Battery Not Holding Charge:**
  - Confirm that the charger used is specifically designed for LiFePO4 batteries.
  - Check for parasitic drains in the vehicle's electrical system that might be discharging the battery when the vehicle is off.
  - Ensure the battery is not exposed to extreme temperatures that could affect its performance.
- **Indicator Light Not Working:**
  - Ensure the battery has some charge. The indicator may not function if the battery is completely depleted.
  - If the battery is charged and the indicator still doesn't work, contact support.

If these steps do not resolve the issue, consult a qualified technician or contact customer support.

## SPECIFICATIONS

Feature	Detail
Brand	BS Battery
Model	High Performance Lithium Battery (BSLi-04/BSLi-06)

Feature	Detail
OEM Part Number	BSLi-04/BSLi06 / HJTZ10S-FP
Manufacturer Part Number	360104
Dimensions (D x W x H)	5.28"D x 2.56"W x 3.62"H (134 x 65 x 92 millimeters)
Item Weight	2.65 pounds
Number of Cells	4
Voltage	12V
Energy Capacity	48Wh
Cold Cranking Amps (CCA)	280A
Special Features	Electric, Waterproof, High Heat Resistance (up to 446°F)
EU Spare Part Availability Duration	10 Years

## WARRANTY INFORMATION

Specific warranty terms and conditions for the BS Battery High Performance Lithium Battery are provided by the manufacturer, BS Battery, or the authorized seller at the time of purchase. Please retain your proof of purchase for any warranty claims. For detailed warranty information, refer to the documentation included with your product or visit the official BS Battery website.

## CUSTOMER SUPPORT

For technical assistance, product inquiries, or support regarding your BS Battery High Performance Lithium Battery, please contact the seller from whom you purchased the product. Alternatively, you may visit the official BS Battery website for contact information and additional resources.

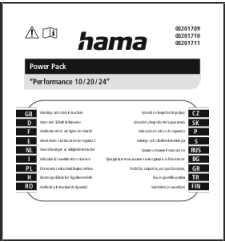
**Manufacturer:** BS Battery

**ASIN:** B07N5CKT92

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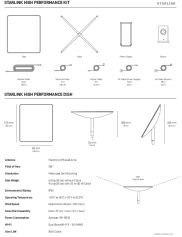
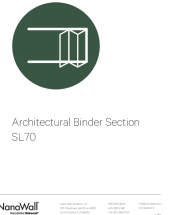


This manual is for informational purposes only. Specifications are subject to change without notice.

## Related Documents - High Performance Lithium Battery



[Hama Power Pack Performance 10/20/24: User Guide & Safety Information](#)

Explore the Hama Power Pack Performance series (models 00201709, 00201710, 00201711). This guide provides essential safety instructions, usage guidelines, and technical specifications for reliable portable charging.

	<p><a href="#">Berner Air Curtains: Installation &amp; Maintenance Guide for CHD10 &amp; SHD07</a></p> <p>Comprehensive installation and maintenance instructions for Berner Commercial High Performance 10 (CHD10) and Sanitation Certified High Performance 7 (SHD07) air curtains. Learn about mounting, electrical connections, operation, troubleshooting, and warranty.</p>
	<p><a href="#">Starlink High Performance Kit Specifications and Components</a></p> <p>Detailed specifications and component descriptions for the Starlink High Performance Kit, including the dish, router, power supply, and various cables.</p>
	<p><a href="#">NanaWall SL70: Monumental Thermally Broken Folding Glass System Specifications</a></p> <p>Detailed specifications and performance testing results for the NanaWall SL70, a monumental thermally broken aluminum-framed folding glass system. Covers structural performance, water resistance, thermal and acoustical data, design options, and installation details.</p>
	<p><a href="#">How to Change Alarm Setpoints on TSX High Performance Refrigerators and Freezers</a></p> <p>Step-by-step instructions for changing alarm setpoints on TSX High Performance Refrigerators and Freezers, including unit setpoint, cold alarm, and warm alarm temperatures.</p>
	<p><a href="#">Amazon Basics Lithium Batteries: Safety and Usage Guide</a></p> <p>Comprehensive safety instructions and usage guidelines for Amazon Basics Lithium Batteries, covering important precautions, handling, and disposal information. Ensure safe use and proper maintenance of your batteries.</p>

THROWBACK - BS BATTERY BACK IN THE PADDOCK AT 24H MOTOS LE MANS

The 24h Motos in Le Mans is one of the most iconic and demanding events in the FIM Endurance World Championship, a series renowned for pushing riders and machines to their limits over grueling long-distance events.

This year, BS Battery was proud to be on the ground, supporting several teams competing in both the Formula EWC and Supercross categories.

Among the teams accompanied throughout the 24-hour battle were the TST Team, *Alfred Racing*, *Maxxis Bessouls*, *Brands Hatch*, the *Julien Tournier* team, *BS Battery*, the *Belgian Team*, *Switzerland*, and *Maxxis Bessouls* with the **PH500**. This weekend was also a great chance to see Julien Tournier again at the first round of the **Igor Continental Cup**. Each of them thanks BS Battery for our contribution to the event. From high-performance lithium batteries to smart chargers and power accessories that keep their machines running at full capacity day and night.

BS Battery presence at the circuit isn't just about being on the grid. It's about real technical support and shared passion. From the garages to the pit lane, we're right there with the teams, helping them overcome the small (and sometimes not so small) challenges that endurance racing throws their way.

A moment of solidarity: BS Battery & PH500

One of the highlights of the weekend came even before the green light. On Thursday, just ahead of the race, Team PH500 was facing a major issue with their battery setup. Without access to the right charging equipment or lithium technology, the team's participation was in jeopardy.

That's when our team on-site, Eva and Julien, jumped in. In true endurance spirit, they supplied the team with lithium batteries, the **BSLiLi2** and the **BSLiLi2 300s**, and provided the necessary support to get them back on track in record time. It was a powerful reminder that racing is not only about performance, but also about community.

Thanks to this quick intervention, the team was able to restart their preparation with lighter, more efficient batteries, and carry on the race with confidence.

Support Beyond EWC: Handi Free Riders on Track

We are also proud to support *Stéphane Boudin*, co-founder of the Handi Free Riders Association. The association leads the French Handi Supercross Cup, a championship for riders with physical disabilities. Once again, part of the official 24H Motos weekend program, this inspiring series took place on the same Bugatti Circuit, with specially adapted motorcycles competing across the 600cc and 1000cc categories.

From para-cyclists to jumpers, all competitors ride machines modified to fit their specific needs. BS Battery is honored to be a partner in promoting inclusion and excellence in motorsport, no matter the challenge.

New season kicks off: Igor Continental Cup

The 24H Motos also marked the season opener of the Igor Continental Cup, a racing series dedicated exclusively to riders of the Repco/Enduro Continental GT. Several passionate bikers, all having hands-on experience with their own machines, battle it out across some of France's most legendary tracks in a fiercely yet competitive spirit. Julien, our European Key Account Manager at BS Battery, is once again taking part this season, proudly carrying the BS Battery colors on track. His performance during this opening round was solid: P7 in qualifying, P6 in Race 1 and P10 in Race 2. An impressive progression that sets the tone for an exciting season ahead.

At BS Battery, we believe that endurance is more than a race format. It's a mindset. We're proud to stand alongside the teams, race after race, lay after lay, powering performance where it matters most.

[pdf] Accessories

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lang:en score:17 filesize: 53.06 K page\_count: 1 document date: 2025-04-25