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[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

› [Gisam](#) /

› [Gisam BS-2 Cordless Impact Wrench User Manual](#)

Gisam BS-2

Gisam BS-2 Cordless Impact Wrench User Manual

Model: BS-2 | Brand: Gisam

[Product
Overview](#)

[Setup](#)

[Operation](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty &
Support](#)

1. PRODUCT OVERVIEW

The Gisam BS-2 Cordless Impact Wrench is a powerful and versatile tool designed for various fastening and loosening tasks, including tire changes, construction projects, and equipment repairs. It features a brushless motor, variable speed control, and a high torque output for efficient operation.



Figure 1: Gisam Cordless Impact Wrench with key components labeled. This image shows the impact socket, square chuck, brushless motor, forward & reverse switch, LED light, smart control panel, battery release button, and soft rubberized handle.

2. SETUP

2.1. Battery Installation and Charging

The impact wrench operates on 21V Lithium-ion batteries. Ensure batteries are fully charged before first use.

- Charging:** Connect the charger to a power outlet and insert the battery. The indicator light on the charger will show the charging status. A full charge typically takes several hours.
- Installation:** Align the battery with the base of the impact wrench and slide it in until it clicks securely into place.
- Removal:** Press the battery release button (see Figure 1) and slide the battery out.

2x4000MAH LITHIUM BATTERIES



**Overcurrent
Protection**



**Overpressure
Protection**



**Overheating
Protection**



**Fast
Charging**

Figure 2: Illustration of the 21V Lithium-ion battery and charger, highlighting overcurrent, overpressure, and overheating protection, along with fast charging capability.

2.2. Attaching Sockets

The impact wrench uses a 1/2-inch square chuck. To attach a socket:

1. Select the appropriate impact socket for your task (e.g., 17mm, 19mm, 21mm, 22mm, 24mm).
2. Push the socket firmly onto the square chuck until it locks into place.
3. To remove, pull the socket off the chuck.

3. OPERATION

3.1. Forward and Reverse Switch

The forward/reverse switch controls the direction of rotation and also acts as a lock when centered.

- **Forward (Tighten):** Push the switch to the right for clockwise rotation.
- **Reverse (Loosen):** Push the switch to the left for counter-clockwise rotation.
- **Lock:** Center the switch to prevent accidental activation. The tool will not operate when the switch is in the center position.

FORWARD & REVERSE SWITCH

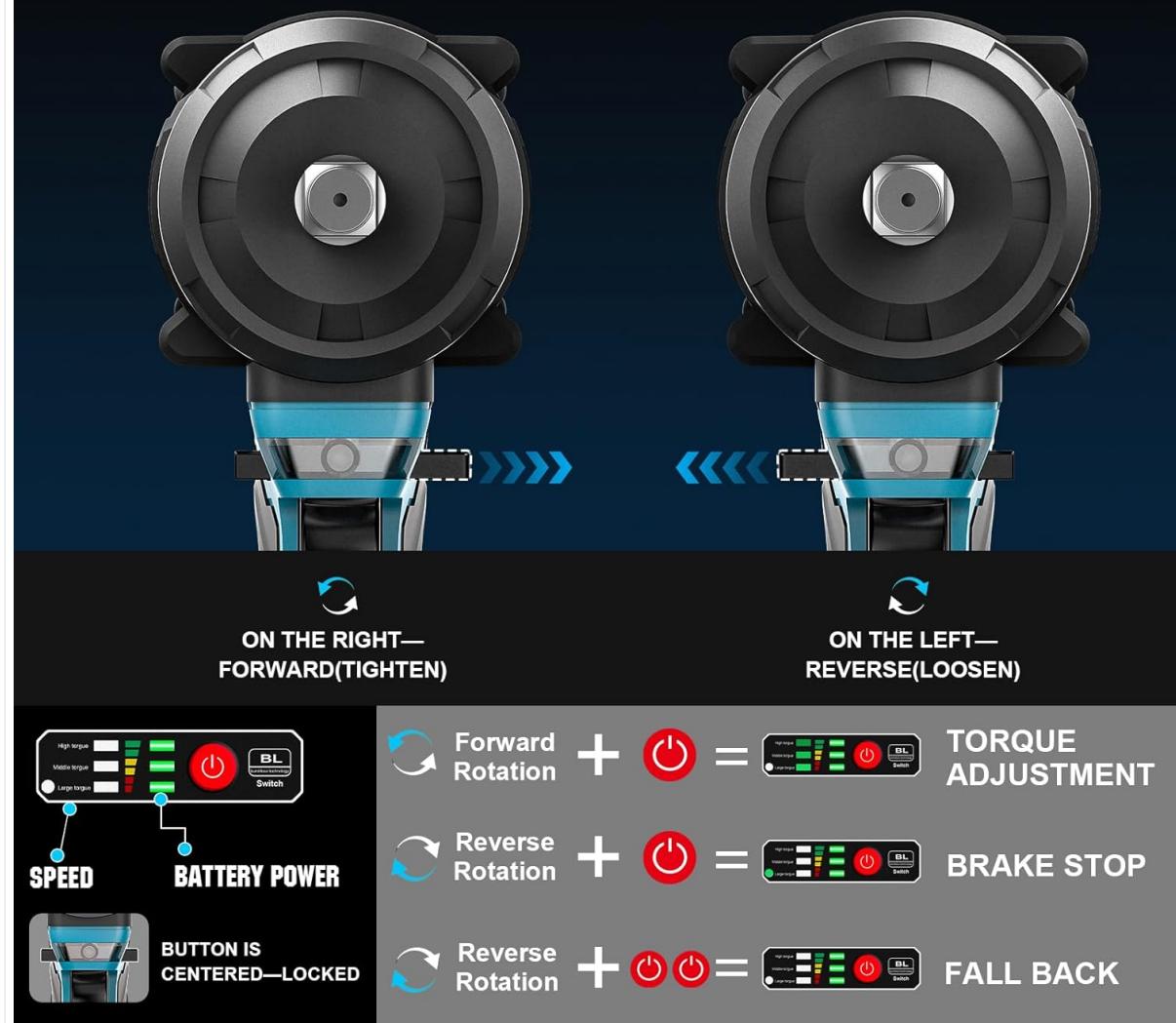


Figure 3: Detailed view of the forward and reverse switch mechanism. Pushing right engages forward rotation (tighten), pushing left engages reverse rotation (loosen), and centering the button locks the tool.

3.2. Variable Speed Control and Torque Adjustment

The tool features stepless speed control and three torque settings to match various applications.

- Stepless Speed Control:** The speed of the tool is controlled by the pressure applied to the trigger. Pressing the trigger harder increases the RPM.
- Torque Settings:** Three torque options are available: 700 Nm, 950 Nm, and 1200 Nm. These settings can be selected via a control at the bottom of the wrench (refer to Figure 3 for visual indication of torque adjustment on the smart control panel).
 - Low (L):** 0-1520 RPM, suitable for home improvement tasks.
 - Medium (M):** 0-1990 RPM, ideal for tire disassembly.
 - High (H):** 0-2370 RPM, for engineering industrial use requiring maximum power.

STEPLESS SPEED CONTROL

The harder you pull the trigger, the higher the RPM.



Figure 4: Demonstrates the stepless speed control and the three operational modes (L, M, H) with their respective RPM ranges and suggested applications.

3.3. LED Light

The integrated LED light automatically illuminates when the trigger is pressed, providing visibility in dimly lit work areas.



BRIGHT LED LIGHT

Auto-open design ensures safety
in dark places



Figure 5: The bright LED light automatically activates when the tool is in use, enhancing safety and visibility in dark environments.

4. MAINTENANCE

4.1. General Cleaning

Regular cleaning helps maintain the tool's performance and extends its lifespan.

- After each use, wipe down the tool with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Keep ventilation openings clear of dust and debris to prevent overheating.
- Inspect the square chuck for wear and tear.

4.2. Battery Care and Storage

Proper battery care ensures optimal performance and longevity.

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store fully discharged batteries for extended periods. Charge them periodically if not in use.
- Avoid exposing batteries to moisture or impact.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Gisam Cordless Impact Wrench.

Problem	Possible Cause	Solution
Tool does not start	Battery not installed correctly or discharged. Forward/reverse switch is in the locked (center) position.	Ensure battery is fully charged and properly seated. Move the forward/reverse switch to the left or right operating position.
Reduced power or torque	Battery charge is low. Incorrect torque setting selected.	Recharge the battery. Select a higher torque setting appropriate for the task.
Tool overheats	Prolonged heavy use. Blocked ventilation openings.	Allow the tool to cool down. Clear any debris from the ventilation slots.

6. SPECIFICATIONS

Feature	Detail
Brand	Gisam
Model Number	BS-2 (BS001269)
Motor Type	Brushless
Max Torque	1200 Newton-meters (Nm)
No-load Speed	Up to 2370 RPM
Battery Type	21V Lithium-ion (2 included, 4000mAh each)
Compatible Batteries	Makita BL1850B, BL1840B, BL1830B, BL1430B, BL1820B, BL1850, BL1840, BL1440, BL1415, BL1815N
Chuck Size	1/2 inch Square
Material	Chrome Vanadium Steel
Weight	2 Kilograms
Included Components	1 Impact Wrench, 2 Batteries, 1 Charger, 5 Sockets (17/19/21/22/24 mm), 1 Extension Rod, 1 Case
Dimensions (Package)	42.4 x 30.5 x 12.5 cm

POWERFUL BRUSHLESS MOTOR

High Efficient & Long Endurance



Figure 6: Internal view illustrating the powerful brushless motor, which offers 50% less noise, 100% fewer sparks, 60% longer life, 70% more power, and 200% higher efficiency compared to brushed motors.

7. WARRANTY AND SUPPORT

7.1. Warranty Information

Gisam provides a **two-year after-sales warranty** for this product. This warranty covers manufacturing defects and ensures that you receive appropriate solutions in case of product issues.

7.2. Customer Support

For any questions or support needs, please contact Gisam customer service. You can typically reach support through the "Contact Seller" option on your order page. Gisam aims to respond to inquiries within 12 hours on business days.

