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> Makita BL1830B 18V LXT Lithium-Ion 3.0Ah Battery Instruction Manual

Makita BL1830B

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Model: BL1830B

1. INTRODUCTION

This instruction manual provides important information regarding the safe operation, charging, and maintenance of your Makita BL1830B 18V LXT Lithium-Ion 3.0Ah Battery. Please read this manual thoroughly before initial use to ensure optimal performance and longevity of your battery.

The Makita BL1830B 18V LXT Lithium-Ion 3.0Ah battery is designed to provide reliable power for compatible Makita 18V LXT cordless tools. It features an integrated L.E.D. charge level indicator for convenient monitoring of battery status.



Figure 1: Makita BL1830B 18V LXT Lithium-Ion 3.0Ah Battery. This image shows the battery unit with its charge indicator lights and tool interface.

2. SAFETY INFORMATION

Always prioritize safety when handling and using power tool batteries. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

2.1 General Battery Safety

- Do not disassemble, open, or shred battery packs.
- Do not expose battery packs to heat or fire. Avoid storage in direct sunlight.
- Do not short-circuit a battery pack. Do not store battery packs indiscriminately in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.
- Do not subject battery packs to mechanical shock.
- In the event of battery leakage, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Keep battery packs clean and dry.
- Recharge only with the charger specified by Makita.
- Do not use any battery pack not designed for use with the equipment.
- Keep battery packs out of the reach of children.

2.2 Proposition 65 Warning

This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

2.3 Warning Against Non-Genuine Batteries

Using non-genuine or 'knock-off' Makita Lithium-Ion batteries can pose significant hazards, including bursting, causing fires, personal injuries, or property damage. Makita U.S.A., Inc. advises against the use of such batteries due to these risks. Always ensure you are using genuine Makita products.

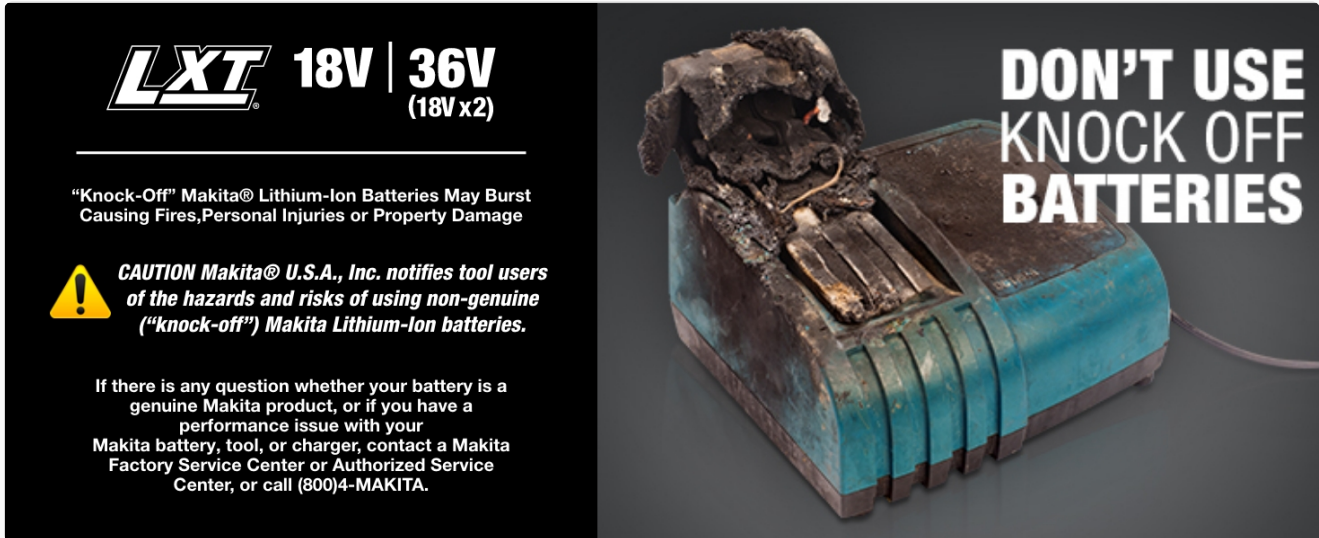


Figure 2: Illustration depicting the dangers of using non-genuine batteries, showing a damaged charger. Always use authentic Makita batteries and chargers.

3. PRODUCT FEATURES

- **Integrated L.E.D. Battery Charge Level Indicator:** Allows users to monitor the remaining battery charge with a quick visual check.
- **Fast Charging:** Reaches full charge in approximately 30 minutes when used with a Makita Rapid Optimum Charger (sold separately).
- **LXT Lithium-Ion Technology:** Provides extended run time and consistent power delivery.
- **Star Protection Computer Controls:** Protects against overloading, over-discharging, and overheating when used with compatible tools.



Figure 3: The Makita BL1830B battery in its retail packaging, highlighting features like the 30-minute charge time and compatibility with Star Protection tools.

THE **LXT** ADVANTAGE



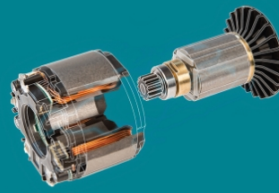
UP TO
3X
FASTER CHARGING¹
LXT® RAPID OPTIMUM CHARGER

¹vs. Makita® Ni-Cd Charger



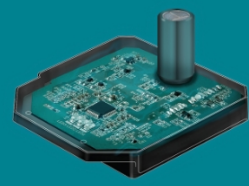
UP TO
50%
MORE RUN TIME²
LXT® LITHIUM ION BATTERY

²vs. Makita® 18V Ni-Cd Batteries



UP TO
50%
LONGER MOTOR LIFE³
PURPOSE-BUILT BRUSHLESS MOTORS

³vs. Makita® Non-Brushless Motors



EFFICIENT
POWER MANAGEMENT
STAR PROTECTION CONTROLS™

⁴Protection Against Overloading, Over-Discharging & Overheating

Figure 4: An illustration detailing the LXT Advantage, including faster charging, more run time, longer motor life, and efficient power management with Star Protection Controls.

4. SETUP AND CHARGING

4.1 Initial Charge

Before first use, fully charge the battery. Use a genuine Makita Rapid Optimum Charger (sold separately) for the fastest and most efficient charging process. The BL1830B battery can reach a full charge in approximately 30 minutes.

4.2 Charging Procedure

1. Insert the battery pack firmly into the charger. Ensure it clicks into place.
2. Connect the charger to a power outlet.
3. The charger will indicate the charging status (refer to your specific charger's manual for LED indicators).
4. Once charging is complete, disconnect the charger from the power outlet and remove the battery.

FASTER CHARGING

USE THE SAME BATTERIES & CHARGERS
FOR ALL LXT® PRODUCTS

LXT 18V | 36V
(18V x2)



55 Minute
Charge Time



45 Minute
Charge Time



40 Minute
Charge Time



30 Minute
Charge Time



25 Minute
Charge Time

HIGHEST OUTPUT + FAST CHARGER TIME

HIGH OUTPUT + FASTEST CHARGER TIME

Figure 5: A chart illustrating the faster charging times for various Makita LXT batteries, showing the 3.0Ah battery charging in 30 minutes.

5. OPERATING INSTRUCTIONS

5.1 Battery Installation and Removal

- To install: Align the battery with the tool's battery port and slide it in until it locks securely.
- To remove: Press the release button(s) on the battery and slide it out of the tool.

5.2 Tool Compatibility

The BL1830B battery is compatible with Makita 18V LXT tools. It is specifically designed for use with Star Protection tools, which are indicated by a Star symbol and/or a yellow battery receiver under the tool. However, the 'B' in BL1830B signifies a 'Bridge Battery', meaning it is also compatible with older Makita 18V tools that do not feature the Star Protection symbol or yellow receiver, though the charge indicator on the battery may not function with these older tools.

5.3 Monitoring Battery Charge

The integrated L.E.D. charge level indicator on the battery allows you to check the remaining power. Press the button next to the indicator lights to display the current charge level.



Figure 6: An overview of Makita LXT Sub-Compact tools, demonstrating the wide range of tools compatible with 18V LXT batteries like the BL1830B.



Figure 7: An illustration showing how two 18V LXT batteries combine to power 36V tools for high-demand applications, expanding the versatility of the LXT system.

6. MAINTENANCE AND STORAGE

6.1 Cleaning

Keep the battery terminals clean. Use a dry cloth to wipe off any dust or debris. Do not use solvents or harsh chemicals.

6.2 Storage

For optimal battery life, store the battery in a cool, dry place away from direct sunlight and extreme temperatures. Makita 18V Lithium-Ion batteries are designed to resist self-discharge, allowing them to retain charge even after long periods of storage.

6.3 Disposal

Do not dispose of battery packs in household waste or by incineration. Always follow local regulations for the recycling and disposal of lithium-ion batteries.

7. TROUBLESHOOTING

If you experience issues with your Makita BL1830B battery, consider the following:

- **Battery not charging:** Ensure the charger is properly plugged in and the battery is fully seated. Check for any damage to the battery or charger.
- **Reduced run time:** The battery may be nearing the end of its life cycle, or it may not be fully charged. Ensure it is charged using a genuine Makita charger.
- **Battery not fitting tool:** Verify that the tool is compatible with 18V LXT batteries. Ensure the battery is inserted correctly.

For persistent issues, contact Makita customer support or an authorized service center.

8. SPECIFICATIONS

Specification	Value
Model Number	BL1830B
Voltage	18 Volts
Battery Capacity	3.0 Amp Hours (3.0Ah)
Battery Cell Type	Lithium-Ion
Wattage	54 watts
Item Weight	1.1 pounds
Product Dimensions	3 x 6.75 x 6.5 inches
Color	Black
Material	Plastic
Recommended Uses	Power Tool

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Makita BL1830B 18V LXT Lithium-Ion 3.0Ah Battery comes with a **3-year limited warranty**. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use.

9.2 Customer Support

For any questions regarding your Makita battery, performance issues, or concerns about non-genuine products, please contact Makita customer service or an authorized Makita service center. You can typically find contact information on the official Makita website or by calling (800)-4-MAKITA.