

RYOBI OP4080A

RYOBI 40V 8Ah Lithium-Ion Battery (Model OP4080A) User Manual

Comprehensive instructions for safe and effective use.

1. INTRODUCTION

The RYOBI 40V 8Ah Lithium-Ion Battery (Model OP4080A) is designed to provide fade-free power and extended runtime for a wide range of RYOBI 40V cordless tools. This battery offers 4 times more runtime compared to the RYOBI 40V 2Ah Compact Battery, ensuring prolonged operation for demanding tasks. It is compatible with all RYOBI 40V tools and chargers.

Key features include:

- Extended runtime for prolonged use.
- Consistent fade-free lithium-ion power delivery.
- Integrated on-board fuel gauge to display remaining charge.
- Compatibility with over 75 RYOBI 40V tools.



Figure 1: The RYOBI 40V 8Ah Lithium-Ion Battery (Model OP4080A). This image shows the overall design of the battery pack, highlighting the RYOBI branding and 40V 8Ah specifications.

2. SAFETY INFORMATION

WARNING: Read and understand all safety warnings and instructions before using this battery pack. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Do not disassemble, open, or shred battery pack.
- Do not short-circuit a battery pack.
- Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.
- Do not expose battery pack to mechanical shock.
- In case 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 pack clean and dry.
- Recharge only with the charger specified by RYOBI.
- Do not use any charger other than that specifically provided for use with the equipment.
- Do not use any battery pack not designed for use with the equipment.
- Keep battery pack out of the reach of children.
- Observe plus (+) and minus (-) marks on the battery and equipment.
- Dispose of properly.



Figure 2: Side view of the RYOBI 40V 8Ah Battery showing safety warnings. This image emphasizes the importance of reading and adhering to the safety instructions printed on the battery itself.

3. SETUP AND CHARGING

3.1 Initial Charge

Before first use, fully charge the battery pack. The RYOBI 40V 8Ah battery charges in approximately 80 minutes when using a RYOBI 40V Rapid charger. Always use a RYOBI-approved 40V charger for optimal performance and safety.

3.2 Installing the Battery

To install the battery into a compatible RYOBI 40V tool:

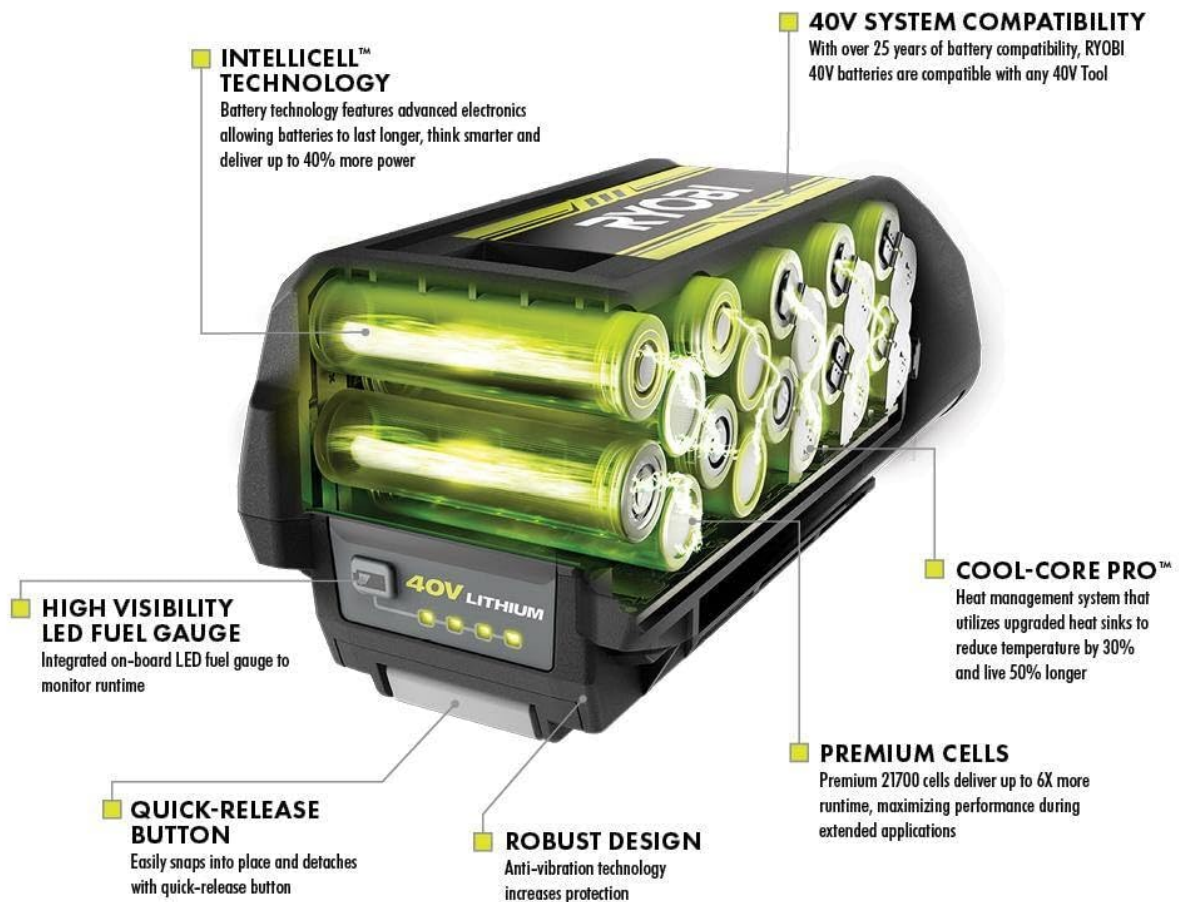
1. Align the battery pack with the battery port on the tool.
2. Slide the battery into the port until it clicks securely into place. Ensure the quick-release button is engaged.

3.3 Removing the Battery

To remove the battery from a compatible RYOBI 40V tool:

1. Press and hold the quick-release button located on the battery pack.
2. Slide the battery out of the tool's battery port.

RYOBI 40V



40V LITHIUM BATTERY

Figure 3: Cutaway view illustrating the internal components and technologies of the RYOBI 40V Lithium-Ion Battery. This image highlights features like INTELLICELL™ Technology, COOL-CORE PRO™ Heat Management, and premium cells for enhanced performance and durability.

4. OPERATING THE BATTERY

4.1 On-Board Fuel Gauge

The RYOBI 40V 8Ah battery is equipped with an on-board LED fuel gauge. Press the button on the battery to activate the indicator lights, which display the approximate remaining charge level. This allows users to monitor runtime and plan charging cycles effectively.



Figure 4: Front view of the RYOBI 40V 8Ah Battery, clearly showing the on-board LED fuel gauge. The four green indicator lights provide a visual representation of the battery's charge status.

4.2 Compatibility

This battery is designed to power all RYOBI 40V tools, offering versatility across your RYOBI 40V collection. It provides consistent power for various applications, from lawn care to snow removal.



Figure 5: A collage demonstrating the RYOBI 40V battery's compatibility with a wide range of RYOBI 40V tools, including blowers, chainsaws, pressure washers, fans, string trimmers, lawn mowers, and snow blowers.

5. MAINTENANCE AND STORAGE

5.1 General Maintenance

Keep the battery pack clean and free from debris. Use a clean, dry cloth to wipe down the exterior. Do not immerse the battery in water or any other liquids.

5.2 Storage

For optimal battery life, store the RYOBI 40V 8Ah battery in a cool, dry place, away from direct sunlight and extreme temperatures. Avoid storing the battery in a completely discharged state for extended periods. It is recommended to store lithium-ion batteries with a partial charge (around 50%) if they will not be used for several months.

5.3 Disposal

Do not dispose of battery packs in household waste. Lithium-ion batteries should be recycled or disposed of according to local regulations. Contact your local waste management authority for information on proper disposal and recycling options.

6. TROUBLESHOOTING

- **Battery not charging:** Ensure the charger is properly plugged into a working outlet and the battery is fully seated in the charger. Check for any damage to the battery or charger.
- **Battery not powering tool:** Verify the battery is fully charged and securely installed in the tool. Check if the tool itself is functioning correctly with another battery (if available).
- **Reduced runtime:** Over time, all batteries experience some degradation. Ensure the battery is fully charged before use. Extreme temperatures can also affect performance; operate and store the battery within recommended temperature ranges.
- **Overheating:** If the battery feels excessively hot during charging or use, discontinue use immediately and allow it to cool down. Consult the RYOBI service center if overheating persists.

7. SPECIFICATIONS

Feature	Detail
Brand	RYOBI
Model Number	OP4080A
Voltage	40V
Battery Capacity	8 Amp Hours (8Ah)
Battery Cell Composition	Lithium Ion
Product Dimensions	10 x 1 x 1 inches
Item Weight	10 pounds
Manufacturer	RYOBI Tools
Date First Available	November 2, 2022

8. WARRANTY AND SUPPORT

The RYOBI 40V 8Ah Battery (Model OP4080A) is backed by a 3-year limited warranty. For detailed warranty information, service, or technical support, please refer to the official RYOBI website or contact RYOBI customer service directly. Keep your purchase receipt as proof of purchase for warranty claims. For further assistance, visit the official [RYOBI Tools website](#).