RYOBI P189

Ryobi P189 18 Volt 1.5 Ah ONE+ Lithium-Ion Battery User Manual

Model: P189

Introduction

The RYOBI 18-Volt ONE+ 1.5 Ah Compact Lithium-Ion Battery (Model P189) is designed to provide reliable and long-lasting power for your RYOBI ONE+ tools. Featuring advanced lithium-ion cells, this battery offers extended runtime and fade-free power, ensuring consistent performance even in extreme weather conditions. It is an integral part of the RYOBI ONE+ system, compatible with a wide range of 18-Volt tools.

Key Features:

- **Extended Runtime:** Provides over 50% more runtime compared to previous models.
- **Extreme Weather Performance:** Engineered to withstand frigid weather conditions.
- **Fade-Free Power:** Delivers consistent power throughout its discharge cycle for maximum performance.
- **Lightweight Design:** Contributes to reduced user fatigue during prolonged use.
- **Quick-Release Latches:** Allows for easy installation and detachment from tools and chargers.
- **ONE+ System Compatibility:** Fully compatible with all RYOBI 18-Volt ONE+ tools.



Image: The Ryobi P189 18V 1.5Ah Lithium-Ion Battery, showcasing its compact design and quick-release mechanism.

Safety Information

Always read and understand all safety warnings and instructions provided with your battery, charger, and power tool before use. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- **Charge Safely:** Only charge the battery with the specified charger for the battery pack. Using an incompatible charger may create a risk of fire.
- **Avoid Short Circuits:** Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.
- **Protect from Damage:** Do not expose battery packs to heat or fire. Avoid direct sunlight. Do not crush, drop, or damage the battery pack.
- **Proper Disposal:** Dispose of used battery packs according to local regulations. Do not dispose of battery packs in household waste or by incineration.
- **Keep Dry:** Do not expose battery packs to rain or wet conditions. Water entering a battery pack will increase the risk of electric shock or fire.
- **Temperature Control:** Do not use or store the battery pack in temperatures exceeding 122°F (50°C).
- **Children Safety:** Keep battery packs out of reach of children.

Setup

Initial Charging

Your Ryobi P189 battery may not be fully charged upon purchase. It is recommended to fully charge the battery before its first use to ensure optimal performance and lifespan. This battery requires a compatible Ryobi ONE+ 18V battery charger (sold separately).



Image: A visual reminder that the battery charger is sold separately and is required for charging the Ryobi P189 battery.

1. Connect your Ryobi ONE+ 18V charger to a standard power outlet.
2. Align the battery with the charging port on the charger. Ensure the battery slides in smoothly until it clicks into place.
3. Observe the charger's indicator lights. These lights typically show the charging status (e.g., charging, fully charged, error). Refer to your charger's manual for specific indicator meanings.
4. Once fully charged, disconnect the battery from the charger by pressing the quick-release latches and sliding the battery out.

Battery Installation into a Tool

The Ryobi P189 battery is designed for easy installation into any compatible Ryobi ONE+ 18V tool.



Image: The Ryobi P189 battery, highlighting its 'stem style' connection point for compatibility with various Ryobi ONE+ tools.

1. Ensure the power tool is turned off and disconnected from any power source if applicable.
2. Align the battery with the battery port on the tool. The battery is a 'stem style' battery, meaning it slides into a receptacle on the tool.
3. Slide the battery firmly into the tool until you hear a click, indicating it is securely latched.
4. To remove the battery, press the quick-release latches on the sides of the battery and slide it out of the tool.

Operating

Once installed, the Ryobi P189 battery provides power to your Ryobi ONE+ 18V tools. This battery is designed to deliver consistent, fade-free power, ensuring your tools operate at their peak performance until the battery is depleted.

- **Tool Activation:** Simply activate your tool as per its specific operating instructions. The battery will provide the necessary 18 volts to power the tool.
- **Performance:** Experience consistent power output, even during demanding tasks, thanks to the battery's fade-free design.

- **Runtime:** The 1.5 Ah capacity provides ample runtime for various applications. Actual runtime will vary depending on the tool, application, and load.
- **Battery Level Indicator:** Some Ryobi tools or chargers may feature a battery level indicator. Consult your tool or charger manual for details on checking the battery charge status.

Maintenance

Cleaning

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

- Wipe the exterior of the battery with a clean, damp cloth. Do not use strong detergents or solvents.
- Keep the battery terminals clean and free of debris. Use a dry cloth or a soft brush to gently clean the terminals if necessary.
- Never immerse the battery in water or any other liquid.

Storage

Proper storage is crucial for battery longevity, especially during periods of non-use.

- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures. Ideal storage temperature is between 50°F (10°C) and 80°F (27°C).
- For long-term storage, it is recommended to store the battery with a partial charge (around 50%). Fully discharged batteries can suffer irreversible damage, while fully charged batteries can experience faster degradation over time.
- Keep the battery away from metal objects that could short-circuit the terminals.
- If storing for extended periods, periodically check the battery's charge level and recharge it to approximately 50% if needed.

Troubleshooting

This section addresses common issues you might encounter with your Ryobi P189 battery.

Problem	Possible Cause	Solution
Battery not charging	Charger not plugged in; Faulty charger; Battery too hot/cold; Damaged battery terminals	Ensure charger is securely plugged in. Try a different outlet. Check charger for damage. Allow battery to reach room temperature. Inspect battery terminals for dirt or damage.
Battery not powering tool	Battery not fully charged; Battery not properly installed; Tool malfunction; Battery is faulty	Charge the battery fully. Ensure battery is clicked securely into the tool. Test the tool with another known good battery. If issue persists, the battery may need replacement.
Reduced runtime	Battery not fully charged; Battery nearing end of life; Extreme operating conditions	Ensure battery is fully charged before use. Battery capacity naturally degrades over time. Avoid using in extremely hot or cold conditions.

Problem	Possible Cause	Solution
Battery gets hot during use/charging	Normal operation under heavy load; Overcharging; Faulty battery/charger	Some heat is normal. If excessively hot, discontinue use and allow to cool. Ensure charger is compatible and functioning correctly. If overheating persists, discontinue use and contact support.

Specifications

Specification	Detail
Model Number	P189
Battery Type	Lithium-Ion
Voltage	18 Volts
Capacity	1.5 Amp Hours (Ah)
Item Weight	14.4 ounces (approx. 0.41 kg)
Product Dimensions	6.65 x 4.53 x 4.37 inches (approx. 16.9 x 11.5 x 11.1 cm)
Material	Plastic
Compatibility	All Ryobi ONE+ 18V Tools and Chargers
Manufacturer	Ryobi

Warranty and Support

For specific warranty information regarding your Ryobi P189 battery, please refer to the documentation included with your purchase or visit the official Ryobi website. Warranty terms typically cover defects in materials and workmanship for a specified period from the date of purchase.
If you encounter any issues not covered in this manual or require further assistance, please contact Ryobi customer support. Contact information can usually be found on the Ryobi website or on your product packaging.

- **Online Support:** Visit the official Ryobi website for FAQs, product registration, and support resources.
- **Customer Service:** Refer to your product's packaging or the Ryobi website for customer service phone numbers and operating hours.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question