

RYOBI P108

RYOBI P108 18V High Capacity Lithium-Ion Battery User Manual

Model: P108 | Brand: RYOBI

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your RYOBI P108 18V High Capacity Lithium-Ion Battery. This battery is designed to enhance the performance of RYOBI 18V ONE+ power tools, offering extended runtime and increased torque. Please read this manual thoroughly before first use and retain it for future reference.

2. KEY FEATURES

- **Lithium-Ion Chemistry:** Engineered to resist power drainage when idle, ensuring the battery holds its charge for longer periods.
- **Enhanced Performance:** Improves the torque of compatible RYOBI 18V ONE+ tools by up to 35%, providing more power for demanding tasks.
- **Extended Runtime:** Delivers up to 4 times longer runtime compared to traditional Ni-Cd batteries.
- **Longer Charge Retention:** Holds a charge 4 times longer than Ni-Cd batteries, reducing the need for frequent recharging.
- **Lightweight Design:** Approximately 20% lighter than Ni-Cd batteries, contributing to reduced user fatigue during prolonged use.
- **Rapid Charging:** Can be fully recharged in as little as 60 minutes using any compatible 18-Volt ONE+ dual-chemistry charger (sold separately).
- **Extreme Weather Performance:** Designed to operate reliably in various environmental conditions.
- **On-Board Fuel Gauge:** Allows users to quickly check the remaining charge level before and during operation.
- **Fade-Free Power:** Provides consistent power output throughout the discharge cycle for maximum performance.
- **Universal Compatibility:** Works with all RYOBI 18V ONE+ tools ever made.

3. SETUP AND CHARGING

3.1 Initial Charge

Before first use, fully charge the battery. The RYOBI P108 battery requires a compatible 18-Volt ONE+ dual-chemistry charger, which is sold separately. Refer to your charger's instruction manual for specific charging procedures.



Image: The RYOBI P108 18V High Capacity Lithium-Ion Battery. This image shows the overall design of the battery, highlighting its compact form factor and the RYOBI branding.

3.2 Inserting and Removing the Battery

To insert the battery into a compatible RYOBI 18V ONE+ tool, align the battery with the tool's battery port and slide it in until it clicks securely into place. To remove, press the release latches on the sides of the battery and slide it out of the tool.



STEM STYLE BATTERY

Image: A close-up view of the battery's stem, which connects to the power tool. This image details the connection points and the design of the battery's interface.

4. OPERATING THE BATTERY

4.1 Checking Battery Charge Level

The P108 battery features an on-board fuel gauge. Press the button on the battery to illuminate the LED indicators, showing the approximate remaining charge. Four illuminated LEDs indicate a full charge, while fewer LEDs or a single flashing LED suggest it's time to recharge.



Image: A side view of the RYOBI P108 battery, clearly showing the "ONE+" logo and the charge indicator lights. This helps users locate the fuel gauge button and understand the visual cues for battery level.

5. MAINTENANCE AND STORAGE

5.1 General Care

Keep the battery clean and free from debris. Use a dry cloth to wipe down the battery terminals and casing. Avoid exposing the battery to water or other liquids.

5.2 Storage

Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, it is recommended to store the battery with a partial charge (around 50%) to prolong its lifespan. Do not store the battery in a discharged state for extended periods.

5.3 Disposal

Lithium-ion batteries should be recycled properly. Do not dispose of batteries in household waste. Contact your local waste management facility for information on battery recycling programs.

6. TROUBLESHOOTING

6.1 Battery Not Charging

- Ensure the charger is properly plugged into a working power outlet.
- Verify that the battery is correctly seated in the charger.

- Check the charger's indicator lights for any error codes or charging status. Refer to your charger's manual for light interpretations.
- Ensure the battery and charger are within the recommended operating temperature range.

6.2 Reduced Runtime or Power

- Fully charge the battery before use.
- Ensure the battery terminals are clean and free of corrosion.
- If the battery is old or has been used extensively, its overall capacity may have diminished. Consider replacing the battery.
- Operating tools in extreme cold can temporarily reduce battery performance. Allow the battery to warm up to room temperature.

7. SPECIFICATIONS

Attribute	Value
Brand	RYOBI
Model Number	P108
Voltage	18V
Battery Cell Composition	Lithium Ion
Battery Capacity	4 Amp Hours (4Ah)
Item Weight	1.71 pounds
Package Dimensions	7.17 x 6.26 x 3.19 inches
Recommended Uses	Power Tool
Date First Available	November 18, 2015

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your original product purchase or visit the official RYOBI website. Keep your proof of purchase for any warranty claims.