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> RYOBI ONE+ 18V HIGH Performance Lithium-Ion Compact Battery PBP003 User Manual

RYOBI PBP003

RYOBI ONE+ 18V HIGH Performance Lithium-Ion Compact Battery User Manual

MODEL: PBP003



Image of the RYOBI ONE+ 18V HIGH Performance Lithium-Ion Compact Battery PBP003, showcasing its compact design and integrated LED fuel gauge.

1. Introduction

This manual provides essential information for the safe and effective use of your RYOBI ONE+ 18V HIGH Performance Lithium-Ion Compact Battery, model PBP003. This battery is designed to deliver enhanced runtime and power for your RYOBI ONE+ tools.

Key features of this HIGH PERFORMANCE battery include:

- Up to **2X more runtime** compared to standard lithium-ion batteries.
- Up to **30% more power** for demanding applications.
- Runs cooler for extended reliability and performance.
- Advanced on-board electronics for monitoring voltage, temperature, and current.
- Integrated LED fuel gauge for quick charge status checks.

- Robust construction for impact resistance and performance in extreme weather.

2. Safety Information

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

- **Charging:** Only charge the battery with chargers specified by the manufacturer. Using an incompatible charger may create a risk of fire.
- **Storage:** Store the battery away from metal objects that could short-circuit the terminals. Do not store in temperatures exceeding 122°F (50°C) or below -4°F (-20°C).
- **Handling:** Do not disassemble, crush, heat, or incinerate the battery. Do not expose to water or rain.
- **Damage:** If the battery casing is cracked or damaged, do not use it. Return it to a service center.
- **Disposal:** Dispose of batteries responsibly according to local regulations. Do not dispose of in household waste.

3. Setup

3.1 Initial Charging

Before first use, fully charge the battery using any compatible RYOBI 18V ONE+ charger (charger sold separately). Refer to your charger's instruction manual for specific charging procedures.

3.2 Inserting the Battery into a Tool

1. Align the battery with the battery port on your RYOBI ONE+ tool.
2. Slide the battery into the tool until it clicks securely into place. Ensure it is fully seated to prevent accidental dislodging during operation.

3.3 Checking Battery Charge Level

The PBP003 battery features an integrated LED fuel gauge. Press the button on the battery to illuminate the LEDs, indicating the remaining charge level. More illuminated LEDs mean a higher charge.

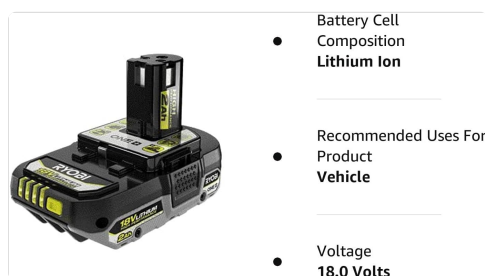


Image showing the RYOBI ONE+ 18V HIGH Performance Lithium-Ion Compact Battery, highlighting its compact form factor and some key specifications.

4. Operating

The RYOBI ONE+ 18V HIGH Performance battery is designed to optimize the performance of your RYOBI ONE+ tools, especially when paired with ONE+ HP tools.

- **Optimized Performance:** When used with ONE+ HP tools, the battery and tool communicate to deliver the best possible performance, allowing you to power through heavier applications.
- **Protection:** The advanced electronics protect against overloading and overheating, ensuring longer

tool and battery life.

- **Fade-Free Power:** Experience consistent power output throughout the battery's discharge cycle, even in extreme weather conditions.

4.1 Removing the Battery from a Tool

To remove the battery, press the quick-release buttons located on the sides of the battery and slide it out of the tool's battery port.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your battery.

- **Cleaning:** Keep the battery terminals clean and free of debris. Use a clean, dry cloth to wipe down the battery. Do not use solvents or harsh chemicals.
- **Storage:** For long-term storage, store the battery in a cool, dry place, away from direct sunlight and extreme temperatures. Lithium-ion batteries resist drainage when idle, but it is recommended to store them with a partial charge.
- **Charging Cycle:** Avoid completely draining the battery before recharging. Regular, partial charges are generally better for lithium-ion battery health than full discharge cycles.

6. Troubleshooting

If you encounter issues with your battery, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Battery not charging.	Charger not plugged in, faulty charger, battery too hot/cold, damaged battery.	Ensure charger is properly connected. Allow battery to reach room temperature. Try a different charger if available. If damaged, do not use.
Battery not powering tool.	Battery not fully inserted, battery discharged, tool malfunction, battery fault.	Ensure battery is securely clicked into place. Check charge level with LED gauge and recharge if necessary. Test with another battery or tool if possible.
Battery feels hot during use/charging.	Normal operation under heavy load, excessive use, faulty battery/charger.	Allow battery to cool down. Reduce continuous heavy load. If overheating persists or is extreme, discontinue use and consult RYOBI support.
LED fuel gauge not working.	Button malfunction, internal battery issue.	Ensure button is not stuck. If the battery still functions otherwise, this may be a minor issue. If not, contact support.

For issues not covered here, or if problems persist, please contact RYOBI customer support.

7. Specifications

Attribute	Value
Model Number	PBP003
Battery Type	Lithium-Ion

Attribute	Value
Voltage	18V
Capacity	2.0 Ah (2 Milliamp Hours)
Item Weight	1.12 pounds
Package Dimensions	5.83 x 4.29 x 3.43 inches
Recommended Uses	Vehicle (General power tool use)

8. Warranty and Support

The RYOBI ONE+ 18V HIGH Performance Lithium-Ion Compact Battery PBP003 is backed by a **3-year manufacturer's warranty**. Please retain your proof of purchase for warranty claims.

For warranty service, technical assistance, or any questions regarding your battery, please contact RYOBI customer support. Contact information can typically be found on the RYOBI official website or on the product packaging.

For more information, visit the official [RYOBI Tools website](#).

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This manual is for informational purposes only. Specifications are subject to change without notice.