

Milwaukee 48-11-2450

Milwaukee M12 REDLITHIUM High Output XC5.0 Battery Pack Instruction Manual

Model: 48-11-2450 | Brand: Milwaukee

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Milwaukee M12 REDLITHIUM High Output XC5.0 Battery Pack. Designed for Milwaukee M12 cordless power tools, this battery delivers enhanced performance and extended run-time. Please read this manual thoroughly before initial use and retain it for future reference.



Figure 1: Milwaukee M12 REDLITHIUM High Output XC5.0 Battery Pack.

2. FEATURES

The Milwaukee M12 REDLITHIUM High Output XC5.0 Battery Pack incorporates advanced technology to optimize tool performance and durability:

- **Enhanced Power Output:** Delivers 25% more power compared to standard REDLITHIUM XC battery packs, enabling more demanding applications.
- **Optimized Thermal Management:** Runs 25% cooler, reducing heat buildup during heavy use and extending battery life.
- **REDLINK Intelligence:** Provides optimized performance and overload protection through total system communication between the tool, battery, and charger.

- **Resistant Housing:** Engineered to protect against common oils, greases, and solvents, ensuring durability in various work environments.
- **Fade-Free Power:** Maintains consistent power output throughout its discharge cycle, even in challenging weather conditions.
- **Wide Base Design:** Allows many M12 tools to stand upright, improving stability and convenience.
- **Rubber Overmold:** Protects the battery pack for maximum life and provides improved grip.
- **Water Protection Barrier:** Routes water away from internal electronics to prevent damage.



Figure 2: Key features of the M12 REDLITHIUM High Output XC5.0 Battery Pack.

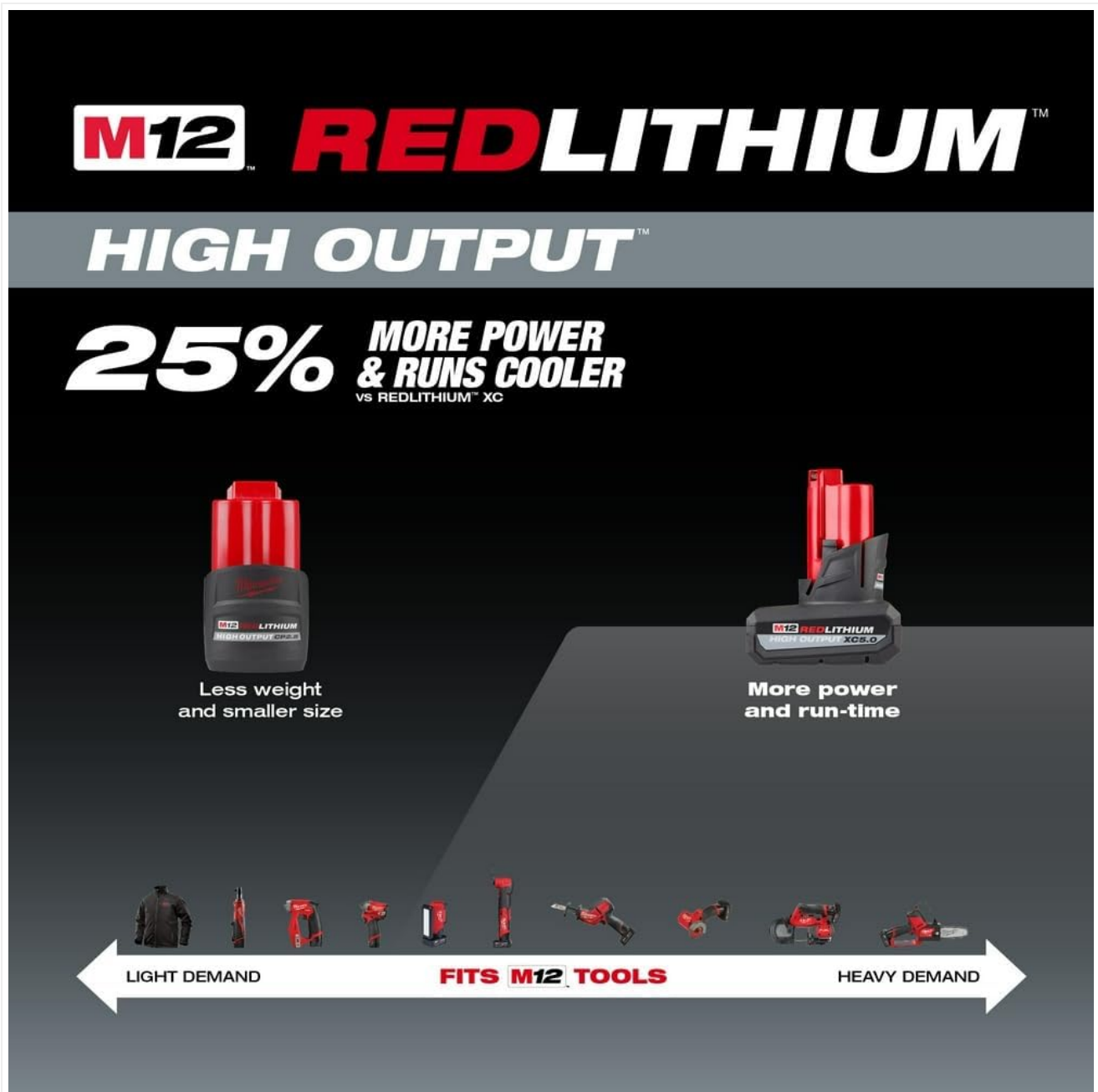


Figure 3: Performance comparison for various M12 tools, highlighting the benefits of High Output batteries for heavy demand applications.

3. SETUP

3.1 Initial Charging

1. Ensure your Milwaukee M12 charger is connected to a power source.
2. Align the battery pack with the charger and slide it in until it clicks securely into place.
3. The charger's indicator lights will show the charging status. Refer to your charger's manual for specific light patterns.
4. Allow the battery to fully charge before its first use to maximize its lifespan and performance.

3.2 Battery Installation into Tool

1. Ensure the tool is switched off before inserting the battery.
2. Align the battery pack with the battery port on your M12 tool.

3. Slide the battery into the tool until it locks into place with an audible click. Do not force the battery.
4. To remove, press the battery release button(s) and slide the battery out.

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Video 1: A quick look at the Milwaukee M12 High Output Battery Pack, demonstrating its physical characteristics and how it fits into a Milwaukee vacuum. This video highlights the battery's compatibility and ease of installation.

4. OPERATING

The M12 REDLITHIUM High Output XC5.0 Battery Pack is designed to provide consistent and reliable power for your Milwaukee M12 tools. Its high output design is particularly beneficial for tools requiring more power or extended run-times.

4.1 Battery Level Indicator

Unlike some larger M18 batteries, M12 batteries typically do not have an integrated battery level indicator on the pack itself. The battery level is usually displayed on the tool when it is powered on or when a dedicated button on the tool is pressed.

4.2 Optimal Performance

For optimal performance, especially in high-demand applications, ensure the battery is fully charged. The REDLINK Intelligence system actively monitors the battery and tool to prevent overload and optimize power delivery.

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Video 2: This video discusses the benefits of the Milwaukee M12 High Output 5Ah Battery, emphasizing its power and efficiency for various tasks.

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Video 3: An honest review of the Milwaukee M12 battery, showcasing its use with an impact driver and highlighting its performance and durability.

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Video 4: This video demonstrates the Milwaukee M12 REDLITHIUM High Output XC5.0 battery powering an impact driver, showcasing its ability to handle high-torque applications and its stable base design.

5. MAINTENANCE

5.1 Cleaning

- Keep battery terminals clean and free of debris. Use a clean, dry cloth to wipe away any dust or dirt.
- Avoid using solvents or harsh chemicals for cleaning, as these can damage the battery housing or internal components.

5.2 Storage

- Store battery packs in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, it is recommended to store batteries at approximately 50% charge.
- Do not store battery packs where metal objects could come into contact with the terminals, as this can cause a short circuit.

5.3 Disposal

Lithium-ion batteries should not be disposed of with household waste. Always follow local regulations for proper disposal or recycling of battery packs. Many retailers and recycling centers offer collection programs for rechargeable batteries.

6. TROUBLESHOOTING

If you encounter issues with your battery pack, consider the following common troubleshooting steps:

- **Battery Not Charging:**
 - Ensure the charger is properly plugged into a working outlet.
 - Verify the battery is fully seated in the charger.
 - Check for any damage to the battery or charger terminals.
 - Allow the battery to cool down if it was recently used in a high-demand application, as some chargers will not charge a hot battery.
- **Tool Not Powering On:**
 - Ensure the battery is fully charged and properly inserted into the tool.
 - Check the battery level indicator on the tool (if available).
 - Inspect the battery and tool terminals for dirt or damage.
 - If the tool has been subjected to heavy use, allow it and the battery to cool down.
- **Reduced Run-time:**
 - Ensure the battery is fully charged before use.
 - Consider the age of the battery; all rechargeable batteries experience reduced capacity over time.
 - Operating tools in extreme temperatures (very hot or very cold) can temporarily reduce run-time.

If these steps do not resolve the issue, please contact Milwaukee customer support or an authorized service center.

7. SPECIFICATIONS

Attribute	Value
Brand	Milwaukee
Model Number	48-11-2450
Battery Cell Type	Lithium-Ion
Voltage	12 Volts
Item Weight	15.8 ounces
Product Dimensions (L x W x H)	6.18 x 4.41 x 2.68 inches
Color	Red
Material	Stainless Steel
UPC	045242615742

8. SAFETY INFORMATION

Always observe basic safety precautions when using, charging, or storing battery packs to reduce the risk of fire, electric shock, and personal injury:



- Do not immerse the battery pack in water or allow any liquids to enter the pack.
- Do not store or use the battery pack in locations where the temperature may reach or exceed 120°F (50°C).
- Do not incinerate the battery pack, even if it is severely damaged or completely dead. It can explode in a fire.
- Do not short circuit the battery terminals.
- Use only Milwaukee M12 chargers specifically designed for REDLITHIUM batteries. Using other chargers may result in personal injury and damage.
- Do not open, disassemble, or attempt to repair the battery pack.
- Keep battery packs out of reach of children.
- If battery fluid leaks, avoid contact. If contact occurs, flush with water and seek medical attention.





9. WARRANTY AND SUPPORT

For warranty information, service, or technical support, please refer to the official Milwaukee Tool website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

Milwaukee Tool is committed to providing high-quality products and support. For the most up-to-date information, visit www.milwaukeetool.com.

Related Documents - 48-11-2450

	<p>Milwaukee Li-Ion Battery Pack Safety, Operation, and Warranty Information</p> <p>Comprehensive guide to safe operation, charging, maintenance, and warranty details for Milwaukee Li-Ion battery packs, including model numbers and important safety warnings.</p>
	<p>Milwaukee M18 M12 Lithium-Ion Battery Charger & Packs Operator's Manual</p> <p>Official operator's manual for Milwaukee M18 and M12 Lithium-Ion battery chargers and battery packs. Includes safety instructions, operating procedures, maintenance, and warranty information.</p>

	<p>Milwaukee Lithium-Ion Battery Packs: Safety, Operation, and Warranty Information</p> <p>Comprehensive safety instructions, operating guidelines, functional descriptions, and warranty details for Milwaukee Lithium-Ion battery packs, including model numbers and troubleshooting tips.</p>
	<p>Milwaukee Lithium-Ion Battery Pack Safety, Operation, and Warranty Information</p> <p>This document provides essential safety instructions, functional descriptions, maintenance guidelines, transport information, disposal procedures, and warranty details for Milwaukee Lithium-Ion battery packs.</p>
	<p>Milwaukee M12 Li-Ion Battery Chargers and Packs Operator's Manual</p> <p>Comprehensive operator's manual for Milwaukee M12 Li-Ion battery chargers and battery packs, covering safety instructions, functional descriptions, specifications, maintenance, and disposal.</p>
	<p>Milwaukee M12/M18 Multi Voltage Battery Chargers and Li-Ion Battery Packs Operator's Manual</p> <p>This operator's manual provides essential safety instructions, operating procedures, functional descriptions, specifications, maintenance guidelines, and warranty information for Milwaukee M12 and M18 Multi Voltage Battery Chargers and Li-Ion Battery Packs.</p>