DEWALT DCB2108

DEWALT 20V MAX XR POWERPACK 8.0 Ah Power Tool Battery (DCB2108)

User Manual



Image: DEWALT 20V MAX XR POWERPACK 8.0 Ah Power Tool Battery, front view.

1. Introduction

This user manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DEWALT 20V MAX XR POWERPACK 8.0 Ah Power Tool Battery (Model: DCB2108). This battery is designed to deliver enhanced power and extended lifespan for compatible DEWALT 20V MAX* tools. Please read this manual thoroughly before first use and retain it for future reference.

2. Safety Information

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

- **Battery Charging:** Only charge the battery with the specified charger for the battery pack. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- **Battery Handling:** Do not disassemble, crush, heat above 100°C (212°F), or incinerate the battery. Do not short-circuit the battery terminals.

- **Storage:** Store the battery in a cool, dry place away from direct sunlight, heat sources, and moisture. Do not store in temperatures exceeding 40°C (104°F).
- **Disposal:** Dispose of batteries responsibly according to local regulations. Do not dispose of batteries in household waste or by incineration.
- **Damage:** Do not use a damaged or modified battery pack or tool. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion, or risk of injury.
- **Liquid Contact:** Do not expose the battery to rain or wet conditions. Water entering a battery will increase the risk of electric shock or fire.

3. Product Overview

The DEWALT 20V MAX XR POWERPACK 8.0 Ah Battery (DCB2108) is engineered for demanding applications, providing significant power and durability improvements. Key features include:

- **50% More Power:** Delivers increased power output for tackling tough jobs efficiently.
- **Longer Lifespan:** Designed for extended longevity through numerous charge cycles.
- **Tabless Cell Technology:** Advanced internal design for improved performance.
- **Durable Rubber Overmold:** Provides a high level of impact resistance, protecting against wear and tear.
- **State-of-Charge LED Indicator:** Allows for quick visibility of the battery's remaining charge, helping to avoid interruptions during work.
- **Compatibility:** Fully compatible with all DEWALT 20V MAX* tools and chargers.



Image: DEWALT 20V MAX XR POWERPACK 8.0 Ah Battery with callouts for Tabless Cell Technology, State of Charge Indicator, Durable Rubber Overmold, and compatibility with 20V MAX tools.

4. Setup

Before initial use, ensure your battery is fully charged. Use only DEWALT 20V MAX* compatible chargers.

1. **Charging the Battery:**
    - Connect the charger to a power outlet.
    - Slide the battery pack onto the charger until it clicks into place.
    - The charger's indicator light will show the charging status. Refer to your charger's manual for specific light patterns.
    - Once fully charged, remove the battery from the charger.
2. **Inserting the Battery into a Tool:**
    - Align the battery pack with the battery port on your DEWALT 20V MAX* tool.
    - Slide the battery into the tool until it locks securely into place. Ensure it is fully seated to prevent accidental dislodgement during operation.
3. **Removing the Battery from a Tool:**
    - Locate the battery release button(s) on the tool.
    - Press and hold the release button(s) while sliding the battery pack out of the tool.

5. Operating

The DEWALT 20V MAX XR POWERPACK 8.0 Ah Battery is designed for seamless integration with your DEWALT 20V MAX* power tools. Its high capacity ensures extended runtime for demanding tasks.

- **Powering Your Tool:** Once the battery is securely inserted, your tool is ready for operation. Refer to your specific tool's manual for operating instructions.
- **State-of-Charge Indicator:** The battery features an LED fuel gauge. Press the button next to the LEDs to check the remaining charge. More illuminated LEDs indicate a higher charge level. This allows you to monitor battery status and plan for recharging.
- **Optimal Performance:** For best performance, allow the battery to cool down after heavy use before recharging. Avoid completely draining the battery frequently, as this can reduce overall lifespan.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your DEWALT 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:** When not in use, store the battery in a dry place, away from metal objects that could short-circuit the terminals. For long-term storage, it is recommended to store the battery at approximately 50% charge in a cool, dry environment.
- **Charging Practices:** Avoid overcharging or undercharging. Remove the battery from the charger once fully charged. Do not leave a fully discharged battery on the charger for extended periods.
- **Temperature:** Do not expose the battery to extreme temperatures. Operating or storing the battery outside its recommended temperature range can reduce its lifespan and performance.

7. Troubleshooting

If you encounter issues with your DEWALT 20V MAX XR POWERPACK 8.0 Ah 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. Try a different outlet. Allow battery to reach room temperature. Inspect battery for damage. If damaged, do not use.
Tool not powering on with battery	Battery not fully inserted; battery discharged; tool malfunction.	Ensure battery is clicked into place. Check battery charge level using the indicator. Charge battery if low. Test with another charged battery if available.
Reduced runtime	Battery not fully charged; battery nearing end of life; extreme operating conditions.	Ensure battery is fully charged before use. Consider battery replacement if it's old. Avoid operating in extreme temperatures.
Battery feels hot during use/charging	Heavy load on tool; rapid charging; environmental temperature.	This can be normal under heavy use. If excessively hot, discontinue use and allow to cool. Ensure charger is in a well-ventilated area.

If the problem persists after attempting these solutions, contact DEWALT customer support or an authorized service center.

8. Specifications

Detailed specifications for the DEWALT 20V MAX XR POWERPACK 8.0 Ah Battery (DCB2108):

Specification	Value
Model Number	DCB2108
Voltage	20 Volts (MAX*)
Ampere-hour (Ah)	8.0 Ah
Battery Cell Type	Lithium Ion
Item Weight	2.2 pounds
Package Dimensions	5.71 x 5 x 3.82 inches
Power Source	Battery Powered
Included Components	(1) DCB2108 20V MAX* XR POWERPACK 8.0Ah Battery
Manufacturer	DEWALT

*Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18 volts.

9. Warranty and Support

Your DEWALT 20V MAX XR POWERPACK 8.0 Ah Battery (DCB2108) is covered by a Manufacturer Warranty. For specific details regarding the terms and conditions of your warranty, please refer to the warranty documentation included with your purchase or visit the official DEWALT website.

For technical support, service, or to locate an authorized service center, please visit the official DEWALT website or contact their customer service line. Always provide your product model number (DCB2108) when seeking support.

Online Resources: www.dewalt.com

© 2025 DEWALT. All rights reserved.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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