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DEWALT DCB204

DEWALT 20V MAX Lithium Ion Battery (DCB204) Instruction Manual

Model: DCB204

1. Important Safety Information

Read all safety warnings and instructions before using the battery pack. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **Battery Pack Safety:** Do not incinerate the battery pack even if it is severely damaged or completely dead. The battery pack can explode in a fire.
- **Charging:** Only charge the battery pack with the specified charger for the battery. Using an incompatible charger may create a risk of fire.
- **Storage:** Store battery packs away from metal objects (e.g., paper clips, coins, keys, nails, screws) that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- **Handling:** Do not open, crush, heat above 100°C (212°F), or short circuit the battery pack.
- **Disposal:** Dispose of used battery packs properly according to local regulations. Do not dispose of in household waste.
- **Proposition 65 Warning:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

2. Product Overview

The DEWALT 20V MAX Lithium Ion Battery (DCB204) is designed to provide reliable power for your DEWALT 20V MAX cordless tools. This 4.0Ah premium Li-ion pack offers extended runtime and features a convenient fuel gauge system.



Image 1: Front view of the DEWALT 20V MAX Lithium Ion Battery (DCB204).

Key Features:

- **20V MAX* Premium 4.0Ah Li-ion pack:** Provides up to 33% more capacity than standard 20V MAX* battery packs.
- **3-LED Fuel Gauge System:** Allows immediate feedback on the state of charge.
- **No Memory Effect:** Virtually no self-discharge for maximum productivity and less downtime.
- **Lightweight Design:** Weighs 1.42 lbs, offering maximum runtime in a lightweight battery.

3. Setup and Charging

3.1 Initial Charge

The battery pack is shipped partially charged. Before first use, fully charge the battery pack. Refer to your DEWALT charger's instruction manual for complete charging procedures.

3.2 Charging Procedure

1. Plug the charger into an appropriate outlet.
2. Insert the battery pack into the charger. Ensure it is fully seated.
3. The charger's indicator light will show the charging status. Consult your charger manual for specific light patterns.
4. Once charging is complete, remove the battery pack from the charger.

Note: The battery pack may become slightly warm during charging. This is normal and does not indicate a problem.

4. Operating Instructions

4.1 Installing the Battery Pack

1. Align the battery pack with the battery port on your DEWALT 20V MAX tool.
2. Slide the battery pack into the tool until it clicks securely into place. Ensure it is fully seated to prevent accidental dislodgement during operation.

4.2 Removing the Battery Pack

1. Locate the battery release button on the tool.
2. Press and hold the release button.
3. Slide the battery pack out of the tool.

4.3 Fuel Gauge System

The DCB204 battery pack features a 3-LED fuel gauge. Press the button on the battery pack to illuminate the LEDs and check the remaining charge:

- **3 LEDs:** Approximately 67-100% charge remaining.
- **2 LEDs:** Approximately 34-66% charge remaining.
- **1 LED:** Approximately 0-33% charge remaining. Recharge soon.



Image 2: Side view of the DEWALT 20V MAX Lithium Ion Battery, showing the fuel gauge button and LEDs.

5. Maintenance and Storage

5.1 Cleaning

Keep the battery pack clean and free of debris. Use a clean, dry cloth to wipe off any dirt or dust. Do not use water or cleaning solutions.

5.2 Storage

- Store the battery pack in a cool, dry place, away from direct sunlight and excessive heat.
- For long-term storage, it is recommended to store the battery pack with a partial charge (e.g., 50-75%).

- Do not store the battery pack in a discharged condition.
- Keep battery packs away from metal objects to prevent shorting.

5.3 Battery Life

To maximize battery life, avoid completely discharging the battery pack. Recharge it when the fuel gauge indicates low charge. Extreme temperatures can also affect battery life; avoid operating or storing in very hot or very cold conditions.

6. Troubleshooting

Problem	Possible Cause	Solution
Battery not charging	Charger not plugged in; faulty charger; battery too hot/cold; faulty battery.	Ensure charger is plugged in. Check charger manual for error codes. Allow battery to reach room temperature. Try a different battery or charger.
Tool not operating with battery	Battery not fully inserted; battery discharged; faulty battery; faulty tool.	Ensure battery is securely clicked into place. Check fuel gauge and recharge if necessary. Try a different battery. Test the tool with another known-good battery.
Reduced runtime	Battery not fully charged; battery nearing end of life; operating in extreme temperatures.	Ensure battery is fully charged before use. Consider replacing older batteries. Avoid operating in very hot or cold conditions.

If you continue to experience issues, contact DEWALT customer support.

7. Specifications

Specification	Value
Manufacturer	DEWALT
Model Number	DCB204
Battery Type	Lithium Ion
Voltage	20V MAX*
Battery Capacity	4.0 Amp Hours (Ah)
Item Weight	1.4 pounds
Product Dimensions	4.5 x 3.13 x 2.63 inches
Included Components	20V Max 4.0 AH battery with fuel gauge
Warranty	3 year limited manufacturers warranty

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

8. Warranty and Support

8.1 Warranty Information

This DEWALT battery pack is covered by a **3-year limited manufacturer's warranty**. This warranty covers defects in materials and workmanship. For full warranty details and terms, please refer to the official DEWALT warranty statement or contact DEWALT customer service.

8.2 Customer Support

For technical assistance, warranty claims, or service questions, please visit the official DEWALT website or contact their customer support directly.
DEWALT Official Website: Visit the DEWALT Store on Amazon

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