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› Synergy Digital 20V 12000mAh Li-ion Power Tool Battery User Manual

## Synergy Digital Synergy Digital 20V 12000mAh Li-ion Battery

# Synergy Digital 20V 12000mAh Li-ion Power Tool Battery User Manual

Model: Synergy Digital 20V 12000mAh Li-ion Battery

Compatible with DeWalt DCE089 Power Tool and replacement for DeWalt DCB102, DCB606, DCB612, DCB204, DCB205, DCB206 series batteries.

## INTRODUCTION

This manual provides essential instructions for the safe and effective use, maintenance, and storage of your Synergy Digital 20V 12000mAh Li-ion Power Tool Battery. Please read this manual thoroughly before using the battery to ensure optimal performance and safety.



Image: Synergy Digital 20V 12000mAh Li-ion Power Tool Battery, showing the top and side with "LITHIUM ION" branding and warning labels.

## SAFETY INFORMATION

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

- **New Battery Pack:** Must be fully charged before use. Refer to the operating guide for your specific power tool and charger for proper charging procedures.
- **Risk of Fire or Burns:** Do not attempt to disassemble, open, or service the battery pack. Replace only with the battery pack designated for this product.
- **Avoid Short Circuits:** Do not crush, puncture, short external contacts, or dispose of in fire or water.
- **Temperature:** Do not store above 60°C (140°F).
- **Disposal:** Dispose of used batteries according to local regulations. Do not dispose of in household waste.
- **Label Integrity:** Warranty void if label is removed.



Image: Close-up view of the battery's warning labels, detailing safety precautions and part numbers.

## SETUP

1. **Initial Charge:** Before first use, fully charge the battery pack using a compatible DeWalt 20V Li-ion battery charger. Refer to your charger's instruction manual for specific charging procedures.
2. **Battery Insertion:** Align the battery pack with the battery port on your compatible DeWalt power tool (e.g., DeWalt DCE089). Slide the battery into the tool until it clicks securely into place. Ensure it is firmly seated to prevent accidental dislodgement during operation.
3. **Battery Removal:** To remove the battery, press the release button(s) on the battery pack and slide it out of the tool.



Image: Side view of the Synergy Digital battery, showing the grooves for tool insertion.

## OPERATING THE BATTERY

This Synergy Digital battery is designed to power compatible DeWalt 20V power tools. Always ensure the battery is fully charged before beginning tasks that require sustained power.

- **Power Tool Compatibility:** This battery is compatible with DeWalt 20V MAX\* tools and is a replacement for DeWalt DCB102, DCB606, DCB612, DCB204, DCB205, DCB206 series batteries.
- **Battery Level Indicator:** If your power tool or charger has a battery level indicator, monitor it to determine the remaining charge.
- **Over-discharge Protection:** The battery features built-in protection against over-discharge. If the tool stops operating, the battery may be depleted and requires recharging.

## MAINTENANCE

- **Cleaning:** Keep the battery terminals clean and free of dirt or debris. Use a clean, dry cloth to wipe the battery pack. Do not use solvents or harsh chemicals.
- **Storage:**

- Store the battery in a cool, dry place, away from direct sunlight and moisture.
- Avoid storing the battery in temperatures above 60°C (140°F) or below -20°C (-4°F).
- For long-term storage, it is recommended to store the battery with a partial charge (around 50%). Fully discharge and recharge the battery every 6 months if stored for extended periods.
- **Charging:** Always use a compatible charger designed for Li-ion 20V batteries. Overcharging or using an incompatible charger can damage the battery and pose a fire risk.



Image: Bottom view of the Synergy Digital battery, showing ventilation slots and manufacturing details.

## TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem                         | Possible Cause                                                                                                                          | Solution                                                                                                                                                                                                                                                                  |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery not charging            | Charger not plugged in<br>Battery not properly seated in charger<br>Charger malfunction<br>Battery too hot or too cold<br>Battery fault | Ensure charger is securely plugged into a working outlet.<br>Re-seat the battery firmly into the charger.<br>Try a different compatible charger if available.<br>Allow battery to reach room temperature before charging.<br>If issues persist, contact customer support. |
| Tool not operating with battery | Battery not fully charged<br>Battery not properly inserted<br>Tool malfunction<br>Battery fault                                         | Charge the battery fully.<br>Ensure battery is securely clicked into the tool.<br>Test the tool with another known good battery.<br>If issues persist, contact customer support.                                                                                          |
| Reduced run time                | Battery not fully charged<br>Battery nearing end of life<br>Operating in extreme temperatures                                           | Ensure battery is fully charged before use.<br>Consider replacing the battery if it's old and run time has significantly decreased.<br>Use the tool and battery within recommended temperature ranges.                                                                    |

## SPECIFICATIONS

- **Battery Chemistry:** Lithium Ion (Li-ion)
- **Voltage:** 20V
- **Capacity:** 12000mAh (240.00Wh)
- **Product Dimensions:** 5.38 x 3.34 x 3.76 inches
- **Item Weight:** 2.88 pounds
- **Compatible with:** DeWalt DCE089 Power Tool
- **Replacement for DeWalt Battery Models:** DCB102, DCB606, DCB612, DCB606-2, DCB204, DCB205, DCB206
- **Manufacturer:** Synergy Digital
- **Standard:** GB 31241-2014
- **Certifications:** CE, UKCA, RoHS (implied by symbols on image)

## WARRANTY

This Synergy Digital battery is manufactured with high-quality Japanese cells and is designed to meet or exceed the original battery performance. Please refer to the product packaging or the Synergy Digital website for specific warranty terms and conditions. **Note: Warranty void if label is removed.**

## CUSTOMER SUPPORT

For technical assistance, warranty claims, or product inquiries, please contact Synergy Digital customer support through their official website or the retailer where the product was purchased.

*Please retain this manual for future reference.*

## 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