



Manuals.plus /

› TrustCell /

› TrustCell DF-DEC102EU Replacement Battery Charger User Manual for DeWalt DCB102, DCB105, DCB112, DCB120

## TrustCell DF-DEC102EU

# TrustCell DF-DEC102EU Replacement Battery Charger User Manual

For DeWalt DCB102, DCB105, DCB112, DCB120 Series Batteries

## INTRODUCTION

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This manual provides essential information for the safe and efficient operation of your TrustCell DF-DEC102EU Replacement Battery Charger. Please read these instructions carefully before use and retain them for future reference. This charger is designed to be compatible with DeWalt 12V-20V Lithium-ion batteries, specifically models DCB102, DCB105, DCB112, and DCB120.

## IMPORTANT SAFETY INSTRUCTIONS

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To reduce the risk of injury, always follow these basic safety precautions when using your battery charger:

- **DO NOT** attempt to disassemble, open, or service this product.
- **DO NOT** expose this product to rain or extreme conditions.
- **DO NOT** crush, puncture, or short external contacts.
- **DO NOT** dispose of this product in fire or water.
- This product is for **INDOOR USE ONLY**.
- Ensure the charger is placed on a stable, non-flammable surface during use.
- Unplug the charger from the power outlet when not in use or before cleaning.
- Do not charge damaged batteries.



Figure 1: Bottom view of the charger displaying critical safety warnings and product specifications.

## PRODUCT OVERVIEW

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The TrustCell DF-DEC102EU is a dual-port battery charger designed for efficiency and compatibility with various DeWalt 12V-20V Lithium-ion batteries. It features two charging bays and a USB output for additional device charging.



Figure 2: Angled view of the TrustCell DF-DEC102EU charger, highlighting its compact design and dual charging bays.



Figure 3: Top view of the charger, illustrating the two battery insertion slots, charge indicator LEDs, and the integrated USB charging port.

## SETUP

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Follow these steps to set up your charger:

1. Unpack the charger and power cord from the packaging.
2. Connect the power cord to the charger's input port.
3. Plug the power cord into a standard AC100-240V wall outlet.
4. Place the charger on a flat, stable, and dry surface, away from direct sunlight or heat sources.



Figure 4: The charger with its power cord attached, ready for connection to a power source.

## OPERATING INSTRUCTIONS

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### Charging a Battery

To charge a compatible DeWalt 12V-20V Lithium-ion battery:

1. Ensure the charger is powered on and connected to an AC outlet.
2. Align the battery with one of the charging bays and slide it in until it clicks securely into place.
3. Observe the indicator lights on the charger. The LEDs will illuminate to show the charging status.
4. Once the battery is fully charged (indicated by all charge LEDs being solid), remove the battery by pressing the release tab (if present on the battery) and sliding it out.
5. You can charge two batteries simultaneously.

### Indicator Lights

The charger features LED indicators to communicate the battery's charging status:

- **Progressive LEDs:** As the battery charges, the charge level indicator LEDs (e.g., 1/4, 1/2, 3/4, Full) will light up progressively.
- **All LEDs Solid:** Indicates the battery is fully charged.
- **Flashing LEDs (Error):** If the LEDs flash rapidly or in an unusual pattern, it may indicate a fault with the battery (e.g., too hot, too cold, or defective). Remove the battery and allow it to reach room temperature before re-inserting. If the issue persists, the battery may be faulty.
- **USB Icon:** Indicates the USB charging port is active and available for charging compatible USB devices.

## MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your charger:

- **Cleaning:** Disconnect the charger from the power source before cleaning. Use a dry, soft cloth to wipe the exterior of the charger. Do not use abrasive cleaners or solvents. Keep the charging terminals free of dust and debris.
- **Storage:** When not in use, store the charger in a clean, dry place, away from extreme temperatures and moisture. Ensure no metal objects are near the charging terminals to prevent short circuits.

## TROUBLESHOOTING

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If you encounter issues with your charger, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
Charger not powering on.	No power supply.	Check if the power cord is securely plugged into both the charger and the wall outlet. Test the outlet with another device.
Battery not charging.	Battery not properly inserted; Battery is too hot/cold; Battery is faulty.	Ensure the battery is fully seated in the charging bay. Allow the battery to reach room temperature (20-25°C or 68-77°F). If the issue persists, the battery may be defective.
Indicator lights flashing error.	Battery fault (e.g., over-temperature, under-temperature, defective cell).	Remove the battery from the charger. Allow it to cool down or warm up to room temperature. Re-insert the battery. If the error continues, the battery may be faulty and should be replaced.
USB device not charging.	USB cable fault; Device not compatible; Charger not powered.	Ensure the charger is powered on. Try a different USB cable or device.

## SPECIFICATIONS

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Detailed specifications for the TrustCell DF-DEC102EU Replacement Battery Charger:

Feature	Detail
Model Number	DF-DEC102EU
Input Voltage	AC100-240V
Output Voltage	12V-20V
Compatible Battery Type	Lithium-ion
Compatible Battery Models	DCB102, DCB105, DCB112, DCB120 (DeWalt series)
Product Dimensions	4.55 x 3.15 x 7.87 inches
Item Weight	1.96 pounds (891 grams)
Manufacturer	TrustCell

## WARRANTY AND SUPPORT

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Your TrustCell DF-DEC102EU Replacement Battery Charger comes with a commitment to quality and customer satisfaction.

- **Warranty:** This product is eligible for a refund or replacement for 1 year from the date of purchase.
- **Customer Service:** We offer 24/7 prompt after-sales service. If you have any problems, questions, or require assistance, please do not hesitate to contact us.