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DEWALT DCB117-QW

DEWALT DCB117 Quick Charger System User Manual

Brand: DEWALT
Model: DCB117-QW

1. Introduction

Thank you for choosing the DEWALT DCB117 Quick Charger System. This manual provides essential information for the safe and efficient operation of your charger. The DCB117 is designed to charge all DEWALT 18 Volt XR and XR FLEXVOLT batteries with a powerful 12 Amp charging current, ensuring quick and gentle charging through its advanced 2-stage process and fan cooling system. Please read this manual thoroughly before first use and keep it for future reference.

2. Safety Instructions

Always observe basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury.

- **Read all instructions:** Before operating the charger, read all instructions and cautionary markings on the charger, battery pack, and product using the battery pack.
- **Use only DEWALT batteries:** Do not attempt to charge any battery packs other than those specified in this manual.
- **Ventilation:** Ensure adequate ventilation around the charger during operation. Do not block ventilation openings.
- **Avoid wet conditions:** Do not expose the charger to rain or wet conditions.
- **Damaged cords:** Never use the charger if the cord or plug is damaged.
- **Do not disassemble:** Do not disassemble the charger; take it to an authorized DEWALT service center when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
- **Supervision:** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

3. Package Contents

Your DEWALT DCB117 Quick Charger System package should contain the following:

- 1x DEWALT DCB117 Quick Charger

Batteries are not included and must be purchased separately.

4. Product Overview

The DEWALT DCB117 Quick Charger is designed for efficient and safe charging of your DEWALT 18V XR and XR FLEXVOLT batteries. It features clear LED indicators to communicate charging status and battery health.



Figure 4.1: Top view of the DEWALT DCB117 Quick Charger, highlighting the battery slot and indicator panel.



Figure 4.2: Front view of the DEWALT DCB117 Quick Charger, displaying the 12A charging current rating.



Figure 4.3: The DEWALT DCB117 Quick Charger with a DEWALT XR FLEXVOLT battery properly inserted for charging.

5. Setup

5.1 Connecting to Power

1. Plug the charger's power cord into a standard 220 Volt AC electrical outlet.
2. The charger's LED indicator will briefly illuminate to confirm power connection.

5.2 Wall Mounting (Optional)

The DCB117 Quick Charger is suitable for wall mounting. Use appropriate fasteners (not included) for your wall type. Ensure the mounting location allows for proper ventilation and easy access to the power outlet and battery insertion.

6. Operating Instructions

6.1 Charging a Battery

1. Ensure the charger is plugged into a live power outlet.
2. Slide the battery pack firmly into the charger until it clicks into place.
3. The charger will automatically begin the charging process. The LED indicator will show the charging status.

6.2 Understanding LED Indicators

The LED indicator on the charger provides information about the charging process and battery status:

- **Solid Green:** Battery is fully charged.
- **Flashing Green:** Battery is charging.
- **Flashing Red:** Battery is too hot or too cold. Charging will begin once the battery reaches an acceptable temperature range.
- **Solid Red:** Battery is defective or charger error. Remove the battery and try reinserting. If the issue persists, the battery or charger may require service.

6.3 2-Stage Charging Process

The DCB117 charger utilizes a 2-stage charging process combined with special fan cooling. This intelligent system adjusts the charging current (4A or 12A) to the specific battery, ensuring a gentle and rapid charge. This process helps to protect the battery cells, extend their service life, and maintain maximum storage capacity.

7. Charging Times

Approximate charging times for various DEWALT 18V XR and XR FLEXVOLT batteries with the DCB117 charger:

Battery Capacity (Ah)	Approximate Charging Time (minutes)
1.3 / 1.5	22
2	30
3	45
4	40* / 60

Battery Capacity (Ah)	Approximate Charging Time (minutes)
5	50* / 75
6	35
9	55* / 85
12	70

**Charging times may vary based on battery condition, ambient temperature, and specific battery manufacturing code (e.g., 201811475B or later).*

8. Maintenance

8.1 Cleaning

- Keep the charger clean and free of debris.
- Use a clean, dry cloth to wipe down the exterior surfaces. Do not use water or harsh cleaning agents.
- Periodically clean any dust or debris from the ventilation slots to ensure proper airflow.

8.2 Storage

When not in use, store the charger in a dry, cool place, away from direct sunlight and extreme temperatures. Ensure the charger is unplugged from the power outlet before storing.

9. Troubleshooting

Problem	Possible Cause	Solution
Charger not powering on	No power to outlet; damaged cord/plug	Check outlet with another device; inspect cord/plug for damage. If damaged, do not use.
Battery not charging (LED flashing red)	Battery too hot/cold; poor connection	Allow battery to reach room temperature; ensure battery is fully seated in charger.
Battery not charging (LED solid red)	Defective battery or charger	Try another known good battery. If issue persists, contact DEWALT service.
Slow charging	High ambient temperature; battery condition	Ensure charger is in a well-ventilated area; charging speed can vary with battery age/condition.

10. Specifications

- **Model:** DCB117-QW

- **Input Voltage:** 220 Volts AC
- **Output Voltage:** 18 Volts DC
- **Charging Current:** 12 Amps (max)
- **Compatible Batteries:** All DEWALT 18V XR and XR FLEXVOLT Li-ion batteries
- **Product Dimensions:** Approximately 38 x 13 x 13 cm (15D x 22W x 17H centimetres)
- **Item Weight:** Approximately 1.06 kg
- **Manufacturer:** DEWALT

11. Warranty and Support

DEWALT products are manufactured to high quality standards and are guaranteed for professional use. For detailed warranty information, please refer to the warranty card included with your product or visit the official DEWALT website. For technical support, service, or to locate an authorized service center, please contact DEWALT customer service through their official channels.
DEWALT Official Website: www.dewalt.com

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