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Makita DC10SB

Makita DC10SB 12V Max CXT Lithium-Ion Rapid Optimum Charger

Model: DC10SB

1. Introduction

The Makita DC10SB is a 12V max CXT Lithium-Ion Rapid Optimum Charger designed for efficient charging of Makita 12V max CXT Lithium-Ion slide-style batteries. This charger features a built-in fan to cool the battery during charging, which helps to optimize battery life and charging speed. The charger actively communicates with the battery's internal chip to manage current, voltage, and temperature, ensuring an optimized charging process.

2. Important Safety Information

Always observe the following safety precautions when using the charger:

- Read all instructions before using the battery charger.
- Do not charge batteries in wet or damp conditions.
- Use only Makita 12V max CXT Lithium-Ion batteries with this charger. Other battery types may burst, causing personal injury and damage.
- Do not expose the charger to rain or snow.
- Never carry the charger by its cord or yank it to disconnect from an outlet.
- Keep the charger's ventilation openings clear to prevent overheating.
- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent to avoid a hazard.
- Do not disassemble the charger. Take it to a qualified service center when service or repair is required.

3. Setup and Initial Use

Follow these steps to set up your Makita DC10SB charger:

1. **Connect Power:** Plug the charger's power cord into a standard AC power outlet. The charger's power indicator light will illuminate, typically green, indicating it is ready.
2. **Insert Battery:** Slide a compatible Makita 12V max CXT Lithium-Ion battery into the charger's battery slot. Ensure the battery is fully seated.

3. **Begin Charging:** Once the battery is inserted, the charger will automatically begin the charging process. The charging indicator lights will show the battery's current status.



Figure 1: Makita DC10SB Rapid Optimum Charger with battery slot and indicator lights.

4. Operating Instructions

4.1 Charging Process

The DC10SB charger uses an optimum charging system that monitors the battery's condition and charges it efficiently. The built-in fan cools the battery during charging to prevent overheating and prolong battery life.

4.2 Charging Times

Approximate charging times for various Makita 12V max CXT Lithium-Ion batteries:

- 1.5Ah battery: Approximately 22 minutes
- 2.0Ah battery: Approximately 30 minutes
- 4.0Ah battery: Approximately 60 minutes

4.3 Indicator Lights

The charger features indicator lights to communicate the battery's status:

Indicator	Status	Description
Green (Solid)	Charging Complete	Battery is fully charged.

Indicator	Status	Description
Green (Flashing)	Charging	Battery is currently charging.
Red (Solid)	Battery Overheating / Error	Battery is too hot to charge, or there is a fault. Allow battery to cool or check for issues.
Red (Flashing)	Battery Fault	Battery is defective or damaged. Do not attempt to charge.
Yellow (Solid)	Battery Cooling	Battery is too hot and is being cooled by the charger's fan before charging can begin.

5. Maintenance

Proper maintenance ensures the longevity and safe operation of your charger:

- **Cleaning:** Disconnect the charger from the power supply before cleaning. Use a dry cloth to wipe dust and dirt from the charger's exterior. Do not use water or chemical cleaners.
- **Ventilation:** Regularly check that the ventilation openings on the charger are free from dust and debris. Blocked vents can lead to overheating.
- **Storage:** Store the charger in a dry, cool place, away from direct sunlight and moisture. When not in use, disconnect it from the power outlet.
- **Cord Inspection:** Periodically inspect the power cord for any signs of damage, such as cuts or fraying. If damaged, have it repaired by a qualified service technician.

6. Troubleshooting

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

- **Charger Not Powering On:**
  - Ensure the power cord is securely plugged into a working outlet.
  - Check the power outlet with another device to confirm it has power.
- **Battery Not Charging (Red Solid/Flashing Light):**
  - **Red Solid:** The battery may be too hot. Remove it from the charger and allow it to cool down in a well-ventilated area before attempting to charge again.
  - **Red Flashing:** The battery may be defective or damaged. Do not attempt to charge a damaged battery. Contact Makita service for assistance.
  - Ensure the battery is correctly inserted into the charger.
- **Slow Charging:**
  - Ensure the charger's ventilation openings are not blocked.
  - Charging speed can be affected by extreme ambient temperatures. Charge in a moderate environment.

7. Specifications

Feature	Detail
Model Number	DC10SB

Feature	Detail
Input Voltage	Standard AC (as per region)
Output Voltage	12 Volts
Wattage	80 watts
Compatible Batteries	Makita 12V max CXT Lithium-Ion slide-style batteries
Item Weight	1.5 pounds
Product Dimensions	10 x 10.5 x 5 inches
Certification	Energy Star

8. Warranty and Support

The Makita DC10SB charger comes with a**3-year limited warranty**. This warranty covers defects in materials and workmanship from the date of purchase. For warranty claims or technical support, please contact Makita customer service or visit their official website.
For further assistance, please refer to the official Makita website or contact their authorized service centers.
Visit Makita Official Website

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