Makita DC18WC

Makita DC18WC Lithium-Ion Battery Charger User Manual

Model: DC18WC

1. Important 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 this charger.

- **SAVE THESE INSTRUCTIONS:** This manual contains important safety and operating instructions for the Makita DC18WC battery charger.
- Before using the battery charger, read all instructions and cautionary markings on the battery charger, battery pack, and product using the battery pack.
- **CAUTION:** To reduce the risk of injury, charge only Makita Li-ion battery packs. Other types of batteries may burst causing personal injury and damage.
- Do not expose the charger to rain or wet conditions. Water entering the charger will increase the risk of electric shock.
- Do not use the charger if the cord or plug is damaged. If the cord or plug is damaged, ask a Makita authorized service center for replacement to avoid a hazard.
- Do not operate the charger if it has received a sharp blow, been dropped, or otherwise damaged in any way. Take it to a qualified serviceman.
- Do not disassemble the charger. Take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
- Unplug the charger from the outlet before attempting any maintenance or cleaning.
- 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.

2. Product Overview

The Makita DC18WC is a compact and efficient lithium-ion battery charger designed for 14.4V and 18V Makita Li-ion batteries. It features an intelligent charging system that optimizes battery life and LED

indicators for convenient monitoring of the charging status.



Figure 1: Front view of the Makita DC18WC charger, showing the battery slot and LED indicators.



Figure 2: Back view of the Makita DC18WC charger, displaying the product label with model number, input/output specifications, and certifications.

Key Features:

- **Rapid Charging:** Quickly recharges 14.4V and 18V Li-ion batteries.

- **Compact Design:** Lightweight and portable for easy storage and transport.
- **Intelligent Charging:** Built-in microcomputer controls charging for maximum battery life.
- **Battery Compatibility:** Specifically designed for Makita 14.4V and 18V Li-ion battery packs.
- **Charge Status Indicators:** LED lights provide clear information on charging status.

3. Setup

Follow these steps to set up your Makita DC18WC battery charger:

1. **Unpack:** Carefully remove the charger from its packaging. Inspect for any damage that may have occurred during shipping.
2. **Placement:** Place the charger on a stable, flat surface in a well-ventilated area. Ensure there is sufficient space around the charger for heat dissipation. Avoid placing it on flammable surfaces or near heat sources.
3. **Power Connection:** Plug the charger's power cord into a standard 120V AC, 50/60Hz electrical outlet. Ensure the outlet is easily accessible.

4. Operating Instructions

To charge a Makita Li-ion battery pack:

1. **Insert Battery:** Slide the battery pack into the charger until it clicks into place. Ensure it is fully seated.
2. **Monitor Charging:** The charger's LED indicators will illuminate to show the charging status. Refer to the charger's label for specific indicator meanings (e.g., solid red for charging, solid green for fully charged).
3. **Charging Completion:** Once the battery is fully charged, the indicator light will change (typically to green). The intelligent charging system will automatically stop charging to prevent overcharging.
4. **Remove Battery:** To remove the battery, press the release button on the battery pack and slide it out of the charger.

Note: A hot battery pack may take longer to charge. The charger may enter a cooling mode before beginning the charging process if the battery is too hot.

5. Maintenance

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

- **Cleaning:** Disconnect the charger from the power outlet before cleaning. Use a dry cloth to wipe down the exterior of the charger. Do not use water or harsh cleaning agents. Keep the charging terminals clean and free of debris.
- **Storage:** When not in use, store the charger in a dry, cool place, away from direct sunlight and moisture. Keep it out of reach of children.
- **Cord Inspection:** Regularly inspect the power cord and plug for any signs of damage, such as cuts, fraying, or bent prongs. If damage is found, do not use the charger and have it repaired by a qualified service technician.

6. Troubleshooting

If you encounter issues with your Makita DC18WC charger, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Charger not operating / No indicator lights	No power to charger; Damaged power cord/plug; Faulty outlet	Check power connection; Try a different outlet; Inspect cord/plug for damage.
Battery not charging	Battery not fully inserted; Battery too hot/cold; Faulty battery pack	Ensure battery is fully seated; Allow battery to reach room temperature; Try a different battery pack.
Charging takes too long	Battery is very hot; Battery is deeply discharged	Allow battery to cool down before charging; This is normal for deeply discharged batteries.

If the problem persists after attempting these solutions, contact Makita customer support or an authorized service center.

7. Specifications

Brand	Makita
Model	DC18WC
Input Voltage	120V~ 50/60Hz
Output Voltage	14.4V / 18V (DC)
Output Current	2.1A
Product Dimensions	10 x 12 x 3 cm (approx.)
Item Weight	350 g (approx.)
UPC	088381597517
Certifications	CE, FCC

8. Warranty and Support

Makita products are manufactured under strict quality control. In the event of any issues, please refer to Makita's official warranty policy, which typically covers defects in materials and workmanship for a specified period from the date of purchase.

For technical support, service, or warranty claims, please contact Makita customer service. You can find contact information on the official Makita website or through your local authorized Makita dealer.

Makita Canada Customer Service:

Toll Free Phone: 1 800 263-3734

Toll Free Fax: 1 800 565-0906

Please have your product model number (DC18WC) and proof of purchase ready when contacting support.

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