

BLACK+DECKER BDC2A-QW

BLACK+DECKER BDC2A-QW 18V/54V Lithium-Ion Battery Charger Instruction Manual

Model: BDC2A-QW

1. INTRODUCTION

The BLACK+DECKER BDC2A-QW is a 2 Ampere (2Ah) charger designed for use with BLACK+DECKER 18V and 54V Lithium-Ion batteries. This charger provides efficient and reliable power replenishment for your compatible BLACK+DECKER power tool batteries, ensuring they are ready for use when needed. Please read this manual thoroughly before operating the charger to ensure safe and optimal performance.



This image shows the BLACK+DECKER BDC2A-QW charger with a compatible Lithium-Ion battery inserted, ready for charging. The charger features indicator lights for charging status.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions when using the BLACK+DECKER BDC2A-QW battery charger to reduce the risk of fire, electric shock, or personal injury.

- **Read All Instructions:** Familiarize yourself with all operating instructions and safety warnings before use.
- **Indoor Use Only:** This charger is designed for indoor use. Do not expose it to rain, moisture, or wet conditions.
- **Compatible Batteries:** Only charge BLACK+DECKER 18V and 54V Lithium-Ion batteries with this charger. Attempting to charge other types of batteries may cause personal injury and damage.
- **Non-Rechargeable Batteries:** Do not attempt to charge non-rechargeable batteries.
- **Damaged Charger/Cord:** Do not operate the charger if the cord or plug is damaged. If the charger has received a sharp blow, been dropped, or damaged in any way, take it to a qualified service center.
- **Ventilation:** Ensure adequate ventilation around the charger during operation. Do not block ventilation openings.
- **Unplug When Not in Use:** Disconnect the charger from the power outlet when not in use or before

cleaning.

- **Children:** Keep the charger and batteries out of reach of children.
- **Avoid Short Circuits:** Do not short-circuit the battery terminals.
- **Temperature:** Do not charge batteries in extremely hot or cold environments. Optimal charging temperature is between 10°C and 40°C (50°F and 104°F).

3. SETUP

Follow these steps to set up your BLACK+DECKER BDC2A-QW battery charger:

1. **Unpack:** Carefully remove the charger from its packaging. Inspect for any signs of damage.
2. **Placement:** Place the charger on a stable, dry, and non-flammable surface, away from direct sunlight and heat sources. Ensure there is sufficient space for air circulation.
3. **Power Connection:** Plug the charger's power cord into a standard, grounded electrical outlet.

4. OPERATING INSTRUCTIONS

To charge a BLACK+DECKER Lithium-Ion battery:

1. **Insert Battery:** Slide the compatible 18V or 54V Lithium-Ion battery into the charger port. Ensure it clicks firmly into place.
2. **Indicator Lights:** Observe the indicator lights on the charger. Typically, a red light indicates charging in progress, and a green light indicates a full charge. Refer to the specific light patterns on your charger for detailed status.
3. **Charging Time:** The charging time will vary depending on the battery's voltage and capacity. For example:
 - A 54V 1.5 Ah battery typically charges in approximately **45 minutes**.
 - A 54V 2.5 Ah battery typically charges in approximately **75 minutes**.
4. **Remove Battery:** Once the battery is fully charged (indicated by the green light), remove it from the charger.
5. **Storage:** Store fully charged batteries in a cool, dry place. Lithium-Ion batteries retain their charge well between uses and do not require maintenance charging.

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 soft, dry cloth to wipe the exterior of the charger. Do not use water or chemical cleaners.
- **Inspection:** Regularly inspect the power cord and charger housing for any signs of damage, such as cuts, fraying, or cracks. If damage is found, discontinue use and have it inspected by a qualified technician.
- **Storage:** When not in use, store the charger in a clean, dry environment, away from extreme temperatures.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Charger indicator lights are off.	No power supply.	Check if the charger is properly plugged into a live electrical outlet. Test the outlet with another device.
Battery not charging (red light not on).	Battery not properly inserted or incompatible battery.	Ensure the battery is fully seated in the charger. Verify that the battery is a compatible BLACK+DECKER 18V or 54V Lithium-Ion type.
Charger or battery feels hot during charging.	Normal operation or poor ventilation.	Some warmth is normal. Ensure the charger is in a well-ventilated area. If it's excessively hot, disconnect and allow to cool. If the problem persists, contact support.
Battery charges slowly or not to full capacity.	Battery degradation or extreme temperatures.	Ensure charging is done within the recommended temperature range (10°C to 40°C). If the battery is old, its capacity may have diminished. Consider replacing the battery.

7. SPECIFICATIONS

- **Model:** BDC2A-QW
- **Brand:** BLACK+DECKER
- **Input Voltage:** Standard AC Mains Voltage (e.g., 230V AC for EU)
- **Output Voltage:** 18V / 54V DC
- **Charging Current:** 2 A
- **Compatible Battery Type:** Lithium-Ion (18V and 54V)
- **Charging Time (54V 1.5Ah):** Approximately 45 minutes
- **Charging Time (54V 2.5Ah):** Approximately 75 minutes
- **Product Dimensions (D x W x H):** 9.5 cm x 13.5 cm x 16.5 cm
- **Color:** Black
- **Manufacturer:** BLACK+DECKER
- **Country of Origin:** China

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product packaging or visit the official BLACK+DECKER website. If you require technical assistance, have questions about product operation, or need to report a fault, please contact BLACK+DECKER customer support through their official channels.

Online Support: Visit the official BLACK+DECKER website for FAQs, product registration, and contact information.

Service Centers: For repairs or service, locate an authorized BLACK+DECKER service center in your region.

