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BCXY CS-GRA180PX

BCXY 18V 2500mAh Lithium-Ion Battery Replacement Instruction Manual

Model: CS-GRA180PX

1. Introduction

This manual provides essential instructions for the safe and effective use, installation, maintenance, and troubleshooting of your BCXY 18V 2500mAh Lithium-Ion Battery Replacement, Model CS-GRA180PX. Please read this manual thoroughly before using the battery to ensure optimal performance and safety. Keep this manual for future reference.

2. Product Overview

The BCXY CS-GRA180PX is an 18V, 2500mAh Lithium-Ion battery designed as a high-quality replacement for various Gardena power tools. It is engineered to meet the exact specifications of original batteries, ensuring compatibility and reliable power delivery.



Figure 1: Top-down view of the BCXY 18V 2500mAh Lithium-Ion Battery (Model CS-GRA180PX). This image shows the overall design and form factor of the battery unit.

Key Features:

- **Exact Specifications:** Manufactured to match original battery specifications for seamless integration.
- **Safety Protections:** Includes overcharge, over discharge, over voltage, and short circuit protection for enhanced battery life and user safety.
- **High Capacity:** 18.0V, 2500mAh (45.0Wh) for extended operational time.
- **Certifications:** Certified with ISO9001, RoHS, CE, UN38.3, and MSDS, ensuring quality and safety standards.

Compatible Models:

This battery is compatible with the following Gardena models:

- ComfortCut Li-18/23 R (9825-20)
- ComfortCut Li-18/50
- High Delimber TCS Li-18/20
- EasyCut Li-18/23 R (9823-20)
- Blower AccuJet
- TCS Li-18/20
- 9824

Compatible Battery Part Numbers: 09839-20, BLi-18, 09840-20.



Figure 2: Angled view of the BCXY 18V 2500mAh Lithium-Ion Battery, highlighting the connection terminals. This view is useful for understanding how the battery connects to compatible tools.

3. Safety Instructions

Always observe the following safety precautions when handling and using the battery:

- **Read Instructions:** Always read the instructions for both the battery and the tool it powers before use.
- **Use Correct Charger:** Only use chargers specified by the manufacturer for this battery model. Using an incompatible charger may create a risk of fire.
- **Avoid Short Circuits:** Do not short-circuit the battery terminals. Keep the battery away from metal objects like keys, coins, paper clips, and jewelry that could make a connection.

- **Proper Storage:** Store the battery in a cool, dry place, away from direct sunlight, heat sources, and moisture.
- **Temperature Limits:** Do not expose the battery to temperatures above 60°C (140°F).
- **No Disassembly:** Do not attempt to disassemble, open, or service the battery pack. There are no user-serviceable parts inside.
- **Handle with Care:** Do not crush, puncture, or drop the battery. Avoid severe impacts.
- **Disposal:** Dispose of used batteries according to local regulations. Do not dispose of batteries in household waste or fire.
- **Keep Away from Children:** Store batteries out of reach of children.
- **Damaged Battery:** If the battery is damaged, leaking, or shows signs of overheating, discontinue use immediately and dispose of it safely.

4. Setup

4.1 Charging the Battery

1. Ensure the battery is clean and dry before charging.
2. Insert the battery into a compatible Gardena 18V battery charger.
3. Connect the charger to a power outlet.
4. Observe the charger's indicator lights for charging status. Charging time may vary depending on the charger and the battery's charge level.
5. Once fully charged, disconnect the charger from the power outlet and remove the battery.

4.2 Installing the Battery

1. Ensure the power tool is switched off and disconnected from any power source (if applicable).
2. Align the battery with the battery compartment on your compatible Gardena tool.
3. Slide the battery firmly into the compartment until it clicks securely into place. Ensure it is fully seated and does not wobble.
4. To remove the battery, press the release button(s) (typically orange, as shown in Figure 2) and slide the battery out of the tool.



Figure 3: Bottom view of the BCXY 18V 2500mAh Lithium-Ion Battery, displaying the model number (CS-GRA180PX) and other key specifications printed on the label. This view confirms the battery's identity and ratings.

5. Operating Instructions

Once the battery is fully charged and securely installed in your compatible Gardena tool, the tool is ready for operation. Refer to your specific Gardena tool's instruction manual for detailed operating procedures. Always ensure the battery is fully charged for optimal performance and runtime.

6. Maintenance

6.1 Cleaning

- Keep the battery terminals clean and free from dirt and debris. Use a dry, soft cloth to wipe them if necessary.
- Do not use water or cleaning solvents on the battery.

6.2 Storage

- For long-term storage, charge the battery to approximately 50-70% capacity.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Avoid storing the battery in a completely discharged state, as this can reduce its lifespan.

7. Troubleshooting

Problem	Possible Cause	Solution
Battery not charging	Incorrect charger used; Charger not plugged in; Battery terminals dirty; Battery too hot/cold	Ensure compatible charger is used and properly connected. Clean battery terminals. Allow battery to reach room temperature.
Tool not operating with battery	Battery not fully charged; Battery not properly installed; Battery damaged	Charge battery fully. Re-install battery securely. If battery is damaged, replace it.
Reduced runtime	Battery not fully charged; Battery nearing end of lifespan; Extreme operating conditions	Ensure battery is fully charged before use. Consider battery replacement if lifespan is exhausted. Avoid extreme temperatures.

If troubleshooting steps do not resolve the issue, please contact customer support.

8. Specifications

Feature	Specification
Model Number	CS-GRA180PX
Brand	BCXY
Voltage	18.0V
Capacity	2500mAh

Feature	Specification
Watt-Hours (Wh)	45.0Wh
Battery Cell Composition	Lithium Ion
Reusability	Rechargeable
Product Dimensions	3.85 x 3.7 x 2.88 inches (97.9 x 94.1 x 73.15mm)
Item Weight	1.28 pounds (582.0g)
Certifications	ISO9001, RoHS, CE, UN38.3, MSDS

9. Warranty and Support

This BCXY battery is manufactured to high-quality standards. For any issues or inquiries, please contact the manufacturer, BCXY, or your retailer. Please refer to your purchase documentation for specific warranty terms and conditions. A standard return policy of 30 days is typically offered by retailers for refund or replacement.

For professional suggestions or if you are unsure about compatibility, you may send an email to the supplier with your battery details or pictures.

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