

Bahco BCL33C1

Bahco BCL33 C1 18V Battery Charger Instruction Manual

Model: BCL33C1

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Bahco BCL33 C1 18V Battery Charger. Please read these instructions carefully before using the charger to ensure proper function and to prevent damage to the unit or connected batteries. The Bahco BCL33 C1 charger is designed for use with all Bahco 18V batteries.

The intelligent Bahco charging system protects batteries from overvoltage, overcharging, and overheating, which helps prevent cell damage during the charging process.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions when using the Bahco BCL33 C1 charger:

- **Read all instructions:** Before using the charger, read all instructions and cautionary markings on the charger, battery, and product using the battery.
- **Indoor use only:** Do not expose the charger to rain or wet conditions. It is designed for indoor use only.
- **Proper ventilation:** Ensure adequate ventilation around the charger during operation. Do not block ventilation openings.
- **Avoid charging damaged batteries:** Do not attempt to charge batteries that are visibly damaged or defective.
- **Use correct power supply:** Connect the charger only to a power supply with the voltage specified on the charger's rating plate.
- **Unplug when not in use:** Disconnect the charger from the power outlet when not in use or before cleaning.
- **Keep out of reach of children:** 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.
- **Do not disassemble:** Never attempt to disassemble the charger. Refer all servicing to qualified service personnel.
- **Avoid extreme temperatures:** Do not operate the charger in extremely hot or cold environments.

3. PRODUCT OVERVIEW

The Bahco BCL33 C1 is a compact and efficient charger designed for Bahco 18V batteries. It features an intelligent charging system to protect your batteries and LED indicators to show the charging status.



Figure 1: Bahco BCL33 C1 18V Battery Charger. The image displays the Bahco BCL33 C1 18V battery charger, featuring its orange casing and black base. The side view highlights the compact design and ventilation slots.

Key Components:

- **Battery Slot:** Area where the 18V Bahco battery is inserted for charging.
- **LED Indicators:** Lights that display the current charging status of the battery.
- **Power Cord Inlet:** Connection point for the charger's power cord.

4. SETUP

Follow these steps to set up your Bahco BCL33 C1 charger:

1. **Unpack the charger:** Carefully remove the charger from its packaging. Inspect it for any signs of damage.
2. **Choose a suitable location:** Place the charger on a stable, flat surface in a well-ventilated area, away from direct sunlight, heat sources, and moisture.
3. **Connect to power:** Plug the charger's power cord into a standard electrical outlet. Ensure the outlet voltage matches the charger's specifications.
4. The charger is now ready to accept a battery for charging.

5. OPERATION

Charging a Battery:

1. **Insert the battery:** Slide a Bahco 18V battery into the charger's battery slot. Ensure it clicks securely into place.
2. **Monitor LED indicators:** The charger's LED lights will indicate the charging status. Refer to the "LED Indicator Guide" below for details.
3. **Automatic charging stop:** The charger will automatically stop charging once the battery is fully charged, preventing overcharging.

4. **Remove the battery:** Once charging is complete, remove the battery from the charger by pressing the release button (if applicable) and sliding it out.

Charging Times:

Approximate charging times to 100% capacity are as follows:

- For a 2 Ah battery: Approximately 50 minutes.
- For a 5 Ah battery: Approximately 135 minutes.

Note: Actual charging times may vary depending on the battery's remaining charge, ambient temperature, and battery condition.

LED Indicator Guide:

The charger's LED lights provide visual feedback on the battery's charging status. Please consult the specific LED patterns and their meanings, which are typically detailed on the charger itself or in a separate quick start guide. Generally, common indications include:

- **Solid Green:** Battery fully charged.
- **Flashing Green:** Battery charging.
- **Solid Red:** Battery fault or temperature issue (too hot/cold).
- **Flashing Red:** Charger fault.

Always refer to the specific markings on your charger for precise LED indicator meanings.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Bahco BCL33 C1 charger, follow these simple maintenance guidelines:

- **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 abrasive cleaners or solvents.
- **Storage:** Store the charger in a clean, dry place when not in use, away from extreme temperatures and direct sunlight.
- **Inspect for damage:** Periodically inspect the power cord and charger casing for any signs of damage. If damage is found, discontinue use and contact customer support.
- **Ventilation:** Keep the ventilation slots clear of dust and debris to prevent overheating.

7. TROUBLESHOOTING

If you encounter issues with your Bahco BCL33 C1 charger, refer to the following common troubleshooting steps:

| Problem | Possible Cause | Solution |
|---|---|--|
| Charger not powering on. | No power to the outlet; loose power cord connection; faulty outlet. | Check power outlet with another device; ensure power cord is securely plugged in; try a different outlet. |
| Battery not charging (LED not indicating charge). | Battery not properly inserted; battery is too hot/cold; battery is defective. | Re-insert battery firmly; allow battery to reach room temperature; try a different battery (if available). |

| Problem | Possible Cause | Solution |
|---|--|--|
| Charger LED indicates an error (e.g., solid red). | Battery fault; charger fault; extreme battery temperature. | Remove battery and allow it to cool/warm; try a different battery; if error persists, charger may be faulty – contact support. |

If these steps do not resolve the issue, please contact Bahco customer support for further assistance.

8. SPECIFICATIONS

| Feature | Detail |
|-------------------------------------|--|
| Brand | Bahco |
| Model Number | BCL33C1 (Manufacturer Part Number: 463116) |
| Input Voltage | 18V (for compatible power supply) |
| Output Voltage | 18V |
| Output Current | 2.3A |
| Compatible Batteries | All Bahco 18V batteries |
| Approx. Charging Time (2Ah battery) | 50 minutes |
| Approx. Charging Time (5Ah battery) | 135 minutes |
| Product Dimensions | 14.5 x 7 x 10.9 cm |
| Product Weight | 580 g |
| Batteries Included | No |
| Connection Type | Standard |
| First Available Date | June 29, 2018 |

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Bahco BCL33 C1 charger, please refer to the warranty card included with your purchase or visit the official Bahco website. You may also contact your local Bahco dealer or customer service representative for assistance.

Please have your model number (BCL33C1) and purchase date available when contacting support.