Evolution Power Tools R18RCH-LI1

Evolution Power Tools R18RCH-LI1 Single Charger

INSTRUCTION MANUAL

1. Introduction

This manual provides essential information for the safe and efficient use of your Evolution Power Tools R18RCH-LI1 Single Charger. This smart, fast, single-port battery charger is designed for new Evolution EXT 18V Li-Ion cordless power tool batteries.

The R18RCH-Li1 smart battery charger ensures your tools are fully charged for efficient, all-day operation. Its intelligent battery management system extends battery life and minimizes charging time. It is compatible with all Evolution EXT Li-Ion batteries (2Ah, 4Ah, 5Ah, 8Ah models) and Erbauer 18V EXT Li-Ion batteries.

2. Setup

Before first use, ensure the charger is placed on a stable, flat surface in a well-ventilated area, away from direct sunlight and moisture. Connect the charger to a standard 230V AC power outlet.



Figure 2.1: The Evolution Power Tools R18RCH-LI1 Single Charger.

To begin charging, align the battery pack with the charging port on the charger and slide it firmly into place until it clicks. Ensure a secure connection.



Figure 2.2: Correct method for inserting a battery into the charger.

3. Operating Instructions

Once the battery is correctly inserted and the charger is powered on, the charging indicator lights will illuminate. These indicators provide feedback on the charging status:

- **Solid Green:** Battery fully charged.
- **Flashing Green:** Battery charging.
- **Solid Red:** Charging error or battery fault. Disconnect and re-insert the battery. If the error persists, consult the troubleshooting section.
- **Flashing Red:** Battery temperature too high or too low. Allow the battery to reach ambient temperature before attempting to charge again.

A typical 18V EXT Li-Ion battery can be fully charged in approximately 30 minutes, depending on its capacity and discharge level.



Figure 3.1: The charger is compatible with 2Ah, 4Ah, 5Ah, and 8Ah EXT Li-Ion batteries.



Figure 3.2: The charger supports both Evolution and Erbauer 18V EXT battery systems.

4. Maintenance

To ensure optimal performance and longevity of your charger, follow these maintenance guidelines:

- **Cleaning:** Disconnect the charger from the power supply before cleaning. Use a soft, dry cloth to wipe down the exterior. Do not use abrasive cleaners or solvents. Keep the charging contacts clean and free of debris.
- **Storage:** Store the charger in a dry, cool place, away from direct sunlight and extreme temperatures. When not in use for extended periods, disconnect it from the power outlet.
- **Inspection:** Periodically inspect the power cord and charger casing for any signs of damage. If damage is found, do not use the charger and contact customer support.

5. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Charger not powering on.	No power to outlet; faulty power cord; charger malfunction.	Check power outlet with another device. Inspect power cord for damage. If issues persist, contact customer support.
Battery not charging (Solid Red light).	Battery not properly seated; battery fault.	Remove and re-insert battery firmly. Try charging a different compatible battery. If the issue persists with multiple batteries, the charger may be faulty.
Battery not charging (Flashing Red light).	Battery temperature too high or too low.	Move the battery and charger to an environment with an ambient temperature between 0°C and 40°C (32°F and 104°F). Allow the battery to cool down or warm up before attempting to charge.

6. Specifications

Model: R18RCH-LI1

Manufacturer: Evolution Power Tools

Model Number: 108-0002

Dimensions (L x W x H): 16 x 18.8 x 7 cm

Weight: 820 Grams

Power Type: AC

Input Voltage: 230 Volts

Output Voltage: 230 Volts

Charging Time: Approximately 30 minutes (for typical battery)

Compatibility: Evolution EXT Li-Ion 18V Batteries (2Ah, 4Ah, 5Ah, 8Ah), Erbauer 18V EXT Li-Ion Batteries

Certification: CE

UPC: 849713042583

7. Warranty and Support

For warranty information or technical support, please refer to the official Evolution Power Tools website or contact their customer service department. Keep your purchase receipt as proof of purchase.
You can visit the official Evolution Power Tools store for more information:Evolution Power Tools Store

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