

## Ferm CDA1175

# Ferm AX-Power 20V Fast Charger User Manual

Model: CDA1175

## 1. INTRODUCTION

Thank you for choosing the Ferm AX-Power 20V Fast Charger. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your charger. Please read this manual carefully before use and keep it for future reference.

## 2. 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 the charger, read and understand all safety warnings and instructions.
- **Indoor use only:** This charger is designed for indoor use only. Do not expose it to rain or wet conditions.
- **Proper ventilation:** Ensure adequate ventilation around the charger during operation. Do not cover the ventilation slots.
- **Compatible batteries:** Only charge Ferm AX-Power 20V Li-Ion batteries with this charger. Attempting to charge other battery types may cause personal injury and damage.
- **Damaged charger/cord:** Do not operate the charger if the cord or plug is damaged. If the charger is dropped or damaged, have it checked by a qualified service person.
- **Unplug when not in use:** Always unplug the charger from the power outlet when not in use or before cleaning.
- **Children and unauthorized persons:** Keep the charger out of reach of children and unauthorized persons.
- **Avoid short circuits:** Do not short-circuit the battery terminals.
- **Temperature:** Do not charge batteries in extremely hot or cold environments. The optimal charging temperature range is typically between 0°C and 40°C (32°F and 104°F).

## 3. PACKAGE CONTENTS

The package should contain the following item:

- 1 x Ferm AX-Power 20V Fast Charger

*Note: Batteries are sold separately and are not included with the charger.*

## 4. PRODUCT FEATURES AND COMPONENTS



**Figure 4.1:** Top view of the charger, showing the battery slot and LED indicators for charging status.



**Figure 4.2:** Angled view of the charger, highlighting the power cord connection.



**Figure 4.3:** The charger with a Ferm AX-Power 20V battery securely inserted into the charging slot.



**Figure 4.4:** The retail packaging of the Ferm AX-Power 20V Quick Charger, indicating compatibility and warranty.

The Ferm AX-Power 20V Fast Charger features a robust design with clear LED indicators to monitor the charging status of your AX-Power 20V Li-Ion batteries. It includes a dedicated slot for secure battery insertion and a standard power input for connection to a wall outlet.

## 5. SETUP

1. **Placement:** Place the charger on a stable, flat, and non-flammable surface in a well-ventilated area. Ensure it is away from direct sunlight, heat sources, and moisture.

2. **Connect to Power:** Insert the charger's power plug into a suitable 100-240V AC, 50-60Hz electrical outlet. The charger's power indicator (if present) may light up.
3. **Insert Battery:** Align the Ferm AX-Power 20V Li-Ion battery with the charging slot on the charger. Slide the battery firmly into place until it clicks, ensuring a secure connection.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Charging Process

Once a compatible battery is correctly inserted and the charger is connected to power, the charging process will begin automatically. The LED indicator on the charger will show the charging status:

- **Red LED:** Indicates the battery is charging.
- **Green LED:** Indicates the battery is fully charged.

When the green LED illuminates, the battery is fully charged and ready for use. You can then remove the battery from the charger.

### 6.2 Charging Times

The charging time depends on the battery's capacity and its current charge level. Approximate charging times are as follows:

- **2.0 Ah Battery:** Approximately 40 minutes
- **4.0 Ah Battery:** Approximately 1 hour

*Note: These are approximate times and may vary based on battery condition and ambient temperature.*

## 7. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the lifespan 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 abrasive cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place, away from direct sunlight and moisture, when not in use. Ensure the charger is unplugged and any batteries are removed before storage.
- **Inspection:** Periodically inspect the charger, power cord, and plug for any signs of damage. If damage is found, do not use the charger and have it repaired by a qualified technician.

## 8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Charger not working / No LED indication	No power supply; Loose connection; Damaged charger/cord.	Check power outlet; Ensure plug is fully inserted; Inspect cord for damage. If damaged, do not use.
Battery not charging (Red LED not on)	Battery not properly inserted; Battery is not a Ferm AX-Power 20V Li-Ion battery; Battery is faulty.	Re-insert battery firmly; Ensure battery compatibility; Test with another compatible battery if available.

Problem	Possible Cause	Solution
Green LED on, but battery feels low	Battery may be old or degraded.	Battery may need replacement. Consult battery manual for lifespan.
Charger or battery gets excessively hot	Poor ventilation; Faulty battery or charger.	Ensure adequate ventilation; Discontinue use immediately and contact support if overheating persists.

If the problem persists after trying these solutions, please contact Ferm customer support.

## 9. SPECIFICATIONS

Feature	Detail
Model Number	CDA1175
Input Voltage	100-240V AC, 50-60Hz
Output Voltage	20V DC
Charging Current	2 Ampere
Compatible Batteries	Ferm AX-Power 20V Li-Ion (1.5 Ah, 2.0 Ah, 4.0 Ah)
Approx. Charging Time (2.0 Ah)	40 minutes
Approx. Charging Time (4.0 Ah)	1 hour
Dimensions (Packaging)	18.1 x 12.1 x 11.7 cm
Weight	620 g

## 10. WARRANTY AND SUPPORT

Ferm products are manufactured to high quality standards and are guaranteed for a period of **2 years** from the date of purchase against defects in materials and workmanship. This warranty does not cover damage caused by misuse, abuse, neglect, alteration, or unauthorized repair.

For warranty claims, technical support, or spare parts, please contact your local Ferm dealer or visit the official Ferm website for contact information.

**Website:** [www.ferm.com](http://www.ferm.com) (Note: This is a placeholder URL. Please refer to your product packaging or official Ferm documentation for the correct support website.)



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