

GRECELL ZB09-U011KBC-F003

GRECELL Level 2 EV Wall Charger (48A 11KW J1772) Instruction Manual

Model: ZB09-U011KBC-F003

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your GRECELL Level 2 EV Wall Charger. Please read this manual thoroughly before installation and use, and retain it for future reference.

1.1 Package Contents

Verify that all items listed below are present in your package:

- 48A EV Charger (1 unit)
- Fall Hole Formwork (1 unit)
- User Manual (1 unit)
- Retainer Plate (1 unit)
- Fixing Plate (1 unit)
- Flat Head Screw (1 unit)
- Pan Head Screw (1 unit)
- Expandable Rubber Stopper (8 units)
- Screws (8 units)



Image 1.1: Contents included in the GRECELL EV Wall Charger package.

2. SAFETY INFORMATION

Your GRECELL EV Wall Charger is designed with multiple safety features and holds ETL and FCC certifications. Adherence to these safety guidelines is crucial for preventing injury and damage.

2.1 General Safety Precautions

- Ensure the charger is installed by a qualified electrician in accordance with all local and national electrical codes.
- Do not attempt to open, disassemble, repair, or modify the charger.
- Keep children and pets away from the charging area.
- Avoid using the charger if the cable or connector is damaged.
- Do not immerse the charger or its components in water.

2.2 Built-in Protections

The charger incorporates the following safety mechanisms:

- **Overcurrent Protection:** Prevents damage from excessive current.
- **Leakage Protection:** Detects and mitigates electrical leakage.
- **Grounding Protection:** Ensures proper electrical grounding.
- **Overtemperature Protection:** Shuts down if internal temperatures exceed safe limits.
- **Over-frequency Protection:** Guards against abnormal frequency fluctuations.
- **Overload Protection:** Prevents damage from excessive electrical load.
- **Overcharge Protection:** Manages battery charging to prevent overcharging.



Image 2.1: Overview of the multiple security protections integrated into the GRECELL EV Wall Charger.

FLEXIBLE CHARGING YOUR WAY



APP Real-time Tracking

Through the APP you can choose real-time charging; Fixed time charging; Delayed charging



Plug and Play

Connect and charge. No setups, no delays. SAE J1772

*Note: Plug-and-play charging, with a maximum current of 40A; the app can adjust to a maximum of 48A.

Image 2.2: The charger is ETL and FCC certified, ensuring compliance with safety and quality standards.

3. SETUP AND INSTALLATION

The GRECELL EV Wall Charger is designed for wall-mounted installation. Professional installation is recommended to ensure compliance with electrical codes and safety standards.

3.1 Mounting the Charger

1. Choose a suitable location for installation, ensuring it is near a NEMA 14-50 outlet and within reach of your vehicle's charging port.
2. Use the provided Fall Hole Formwork to mark the drilling points on the wall.
3. Drill holes and insert the Expandable Rubber Stoppers.
4. Secure the Fixing Plate to the wall using the provided screws.
5. Mount the charger onto the Fixing Plate.
6. Install the Retainer Plate to secure the charging cable and connector when not in use.

3.2 Electrical Connection

The charger connects to a 240-volt NEMA 14-50 outlet. Ensure the outlet is properly installed and rated for the charger's maximum current (up to 48A).



Image 3.1: The GRECELL EV Wall Charger mounted and ready for use.

4. OPERATING INSTRUCTIONS

The GRECELL EV Wall Charger offers flexible charging options, including plug-and-play and smart app control.

4.1 Plug-and-Play Charging

For immediate charging, simply plug the J1772 connector into your EV's charging port. The charger will initiate charging at a maximum current of 40A by default. No additional setup is required for basic operation.



Image 4.1: Demonstrating the simple plug-and-play functionality of the charger.

4.2 Smart App Control (Smart Life App)

For advanced features such as adjustable current, scheduled charging, and real-time monitoring, use the 'Smart Life' application.

1. **Download the App:** Search for "Smart Life" in the Apple App Store or Google Play Store and install it on your smartphone.
2. **Initial Connection:** For the first-time connection, ensure your device and phone are connected to the same Wi-Fi network. Turn on Bluetooth on your phone.
3. **Add Device:** Open the Smart Life app, search for the EV charger, and follow the on-screen instructions to add it.
4. **Reconnect:** Once the device is loaded, you only need to turn on Bluetooth to reconnect to the device for subsequent uses.

FREELY CHOOSE CHARGING TIME BY APP

Search "Smart Life" in the Apple Store or Google Store

First-time connection, the device and phone need to be connected to the same Wi-Fi network;

Once the device is loaded, you only need to turn on Bluetooth to reconnect to the device.



Image 4.2: The 'Smart Life' app interface for controlling charging time and current.



Image 4.3: Step-by-step guide for adding the GRECELL EV Charger to the Smart Life application.

4.3 Adjustable Current

Through the 'Smart Life' app, you can adjust the charging current up to a maximum of 48A. This allows for

optimization based on your vehicle's needs or electricity rates.



Image 4.4: Visual representation of adjustable current settings on the GRECELL EV Charger, ranging from 8A to 48A.

4.4 Scheduled Charging

Utilize the app to schedule charging sessions during off-peak electricity hours, potentially reducing charging costs.

SMART CHARGING SAVES MORE

*Note: According to the TOU-D time-of-use rate plan, taking an electric car with a charging capacity of 80KWh as an example

Home charging station (peak period): $80\text{kwh} \times \$0.59 = \47.2

Home charging station (off-peak period): $80\text{kwh} \times \$0.45 = \36

The above electricity charges are only for reference calculation and comparison, and the actual rates may differ.



Image 4.5: Illustration of potential cost savings by scheduling charging during off-peak hours using the Smart Life app.

5. COMPATIBILITY

The GRECELL EV Wall Charger is designed for broad compatibility with electric vehicles.

5.1 J1772 Standard

This charger is compatible with all SAE-J1772 EV and PHEV models, including vehicles from BMW, Honda, Ford, Hyundai, Chevrolet, Porsche, Mercedes-Benz, Toyota, and others that use the J1772 charging standard.

COMPATIBLE WITH ALL EVs AND PHEVs

48A
11KW








BMW


Honda


Ford


Hyundai


Chevrolet


Porsche


Mercedes
Benz


Toyota

All other J1772 EVs and PHEVs...

Note: Tesla requires an SAE J1772 adapter for compatibility (not included)






Image 5.1: The GRECELL EV Charger is compatible with all J1772 standard electric vehicles and plug-in hybrids.

5.2 Tesla Vehicles

For Tesla electric vehicles, an SAE J1772 adapter is required for compatibility. This adapter is not included with the GRECELL charger.



PACKAGE INCLUDED

			
Flat Head Screw* 1	Pan Head Screw* 1	Retainer Plate* 1	Screws* 8
			
Expandable Rubber Stopper* 8	Fixing Plate* 1	Fall Hole Formwork* 1	User Manual* 1

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your GRECELL EV Wall Charger.

6.1 Cleaning

- Ensure the charger is unplugged from the power source before cleaning.
- Wipe the exterior of the charger with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Keep the charging connector clean and free of debris.

6.2 Environmental Conditions

The charger features an IP68 waterproof and dustproof rating, making it suitable for various weather conditions, from -22°F in winter to 122°F in summer.

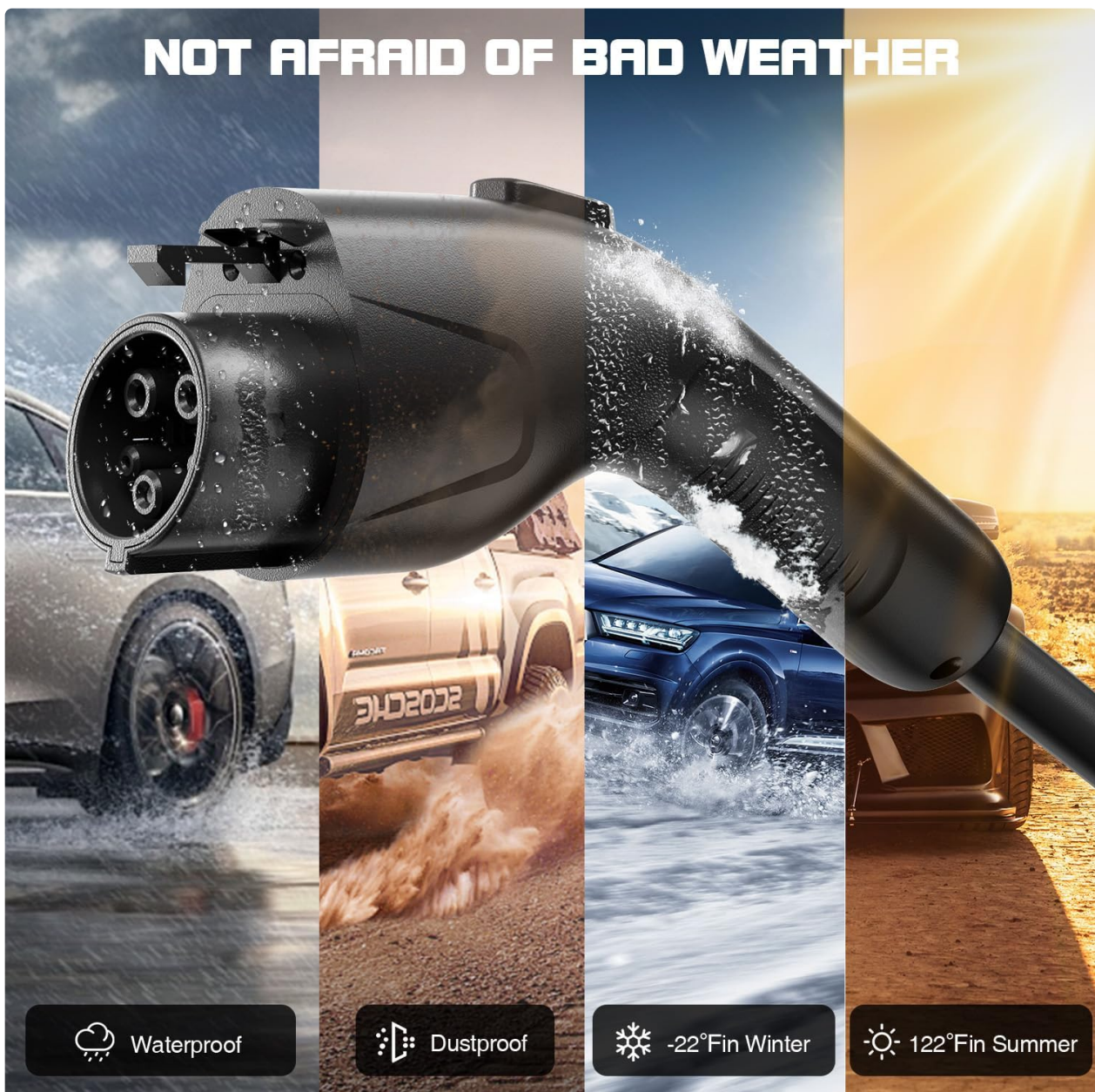


Image 6.1: The GRECELL EV Charger is built to withstand various weather conditions, including rain, dust, snow, and heat.

7. TROUBLESHOOTING

If you encounter issues with your GRECELL EV Wall Charger, refer to the following common troubleshooting steps:

- **Charger Not Activating:** Ensure the charger is securely plugged into the NEMA 14-50 outlet and the outlet has power. Check the circuit breaker.
- **Charging Interruption:** Verify that the J1772 connector is fully inserted into the vehicle's charging port. Check the app for any scheduled charging pauses or error messages.
- **App Connectivity Issues:** Ensure your phone's Bluetooth is enabled and both the charger and phone are connected to a stable Wi-Fi network during initial setup. For subsequent connections, only Bluetooth is typically needed.
- **Slow Charging:** Check the current setting in the 'Smart Life' app. Ensure it is set to the desired amperage.
- **Error Codes:** If the charger displays an error code, consult the 'Smart Life' app or contact customer support for specific guidance.

If problems persist after attempting these steps, please contact GRECELL customer support.

8. SPECIFICATIONS

Brand	GRECELL
Model	ZB09-U011KBC-F003
Manufacturer	Zhuzhou Zopose Technology Co., Ltd
Output Voltage	240 Volts
Maximum Current	48 Amps (adjustable via app)
Power Output	Up to 11KW
Connector Type	J1772
Plug Type	NEMA 14-50
Cable Length	25 Feet
Connectivity	Bluetooth & WiFi Enabled
Certifications	ETL, FCC
Ingress Protection	IP68 (Waterproof & Dustproof)
Operating Temperature	-22°F to 122°F (-30°C to 50°C)
Item Weight	16.53 pounds
Package Dimensions	18.7 x 15.7 x 10 inches

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official GRECELL website or contact their

customer service directly. Keep your purchase receipt for warranty claims.

Contact Information: Refer to the packaging or official GRECELL website for the most current support contact details.