

GRECELL EV-B10-US007

GRECELL Level 2 EV Charger (Model EV-B10-US007)

32A/7.4KW Portable Charger Instruction Manual

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your GRECELL Level 2 EV Charger, Model EV-B10-US007. This portable electric vehicle charger delivers up to 32 Amps (7.4 KW) of power, compatible with all SAE J1772 electric vehicles and plug-in hybrid electric vehicles (PHEVs). It features a NEMA 14-50 plug for connection to a 240V outlet and includes multiple safety protections and smart functionalities like adjustable current and scheduled charging.

Please read this manual thoroughly before installation and operation, and retain it for future reference.

2. SETUP AND INSTALLATION

2.1 Package Contents

Verify that all items are present in the package:

- EV Charger (1 unit)
- Wall Hangings (1 set)
- Empty Seat Hooks (1 unit)
- Storage Bag (1 unit)
- User Manual (1 unit)
- Expansion Screw $\phi 8 \times 60\text{mm}$ (3 units)
- Expansion Screw $\phi 8 \times 25\text{mm}$ (6 units)

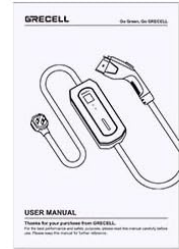
PACKAGE INCLUDED



NEMA 5-15
32A EV Charger



Storage Bag*1



User Manual*1



Screw
φ8*25mm*6



Screw
φ8*60mm*3



Wall
Hangings*1



Empty
Seat Hooks*1

Image: Contents included in the GRECELL EV Charger package.

2.2 Mounting the Charger

The charger unit can be mounted on a wall using the provided wall hangings and screws. Choose a location that is dry, protected from direct sunlight and heavy rain, and within reach of your NEMA 14-50 outlet and your vehicle's charging port. Ensure the mounting surface is sturdy enough to support the charger's weight.

1. Mark the desired drilling points for the wall hangings.
2. Drill holes and insert the expansion screws.
3. Secure the wall hangings to the wall.
4. Mount the charger unit onto the wall hangings.
5. Install the empty seat hook for the charging connector for convenient storage.

2.3 Power Connection

Connect the charger's NEMA 14-50 plug into a dedicated 240V NEMA 14-50 outlet. Ensure the outlet is properly installed and grounded by a qualified electrician. Do not use extension cords or adapters that are not rated for the charger's power requirements.



Image: Overview of the GRECELL Level 2 EV Charger components.

3. OPERATING INSTRUCTIONS

3.1 Basic Charging Procedure

1. Ensure the charger is securely plugged into the NEMA 14-50 outlet. The LCD display will illuminate.

2. Open your electric vehicle's charging port.
3. Insert the SAE J1772 charging connector firmly into your vehicle's charging port. A click indicates a secure connection.
4. The charger will automatically begin charging. The LCD display will show charging status, and the LED indicator on the control box will change to green.
5. To stop charging, first disconnect the connector from your vehicle, then unplug the charger from the wall outlet.



Image: Connecting the charger to an electric vehicle.

3.2 Adjusting Charging Current

The charger allows you to adjust the charging current to suit your needs. This can be done before connecting to the vehicle or when the charger is in standby mode.

- Press the '**A**' button on the control box to cycle through available current settings: 10A, 16A, 24A, and 32A.
- The selected current will be displayed on the LCD screen.
- **Note:** Current adjustments are not possible during an active charging process.

INTELLIGENT TOUCH LCD DISPLAY



Image: Intelligent touch LCD display for current adjustment and scheduled charging.

3.3 Scheduled Charging (Delay Start)

To utilize off-peak electricity rates, you can set a delay for charging to begin:

- With the charger in standby mode (or before connecting to the vehicle), press the **H' button**.
- Each press will increase the delay time by one hour, from 1 to 12 hours.
- After setting the desired delay, connect the charger to your vehicle. Charging will commence after the countdown ends.
- **Note:** Time reservations are not possible during an active charging process.

FREELY CHOOSE CHARGING TIME

Press the H button to start charging. You can set the timer time from 1 to 12 hours. Charging will start after the countdown ends and the power will automatically cut off after charging is completed.

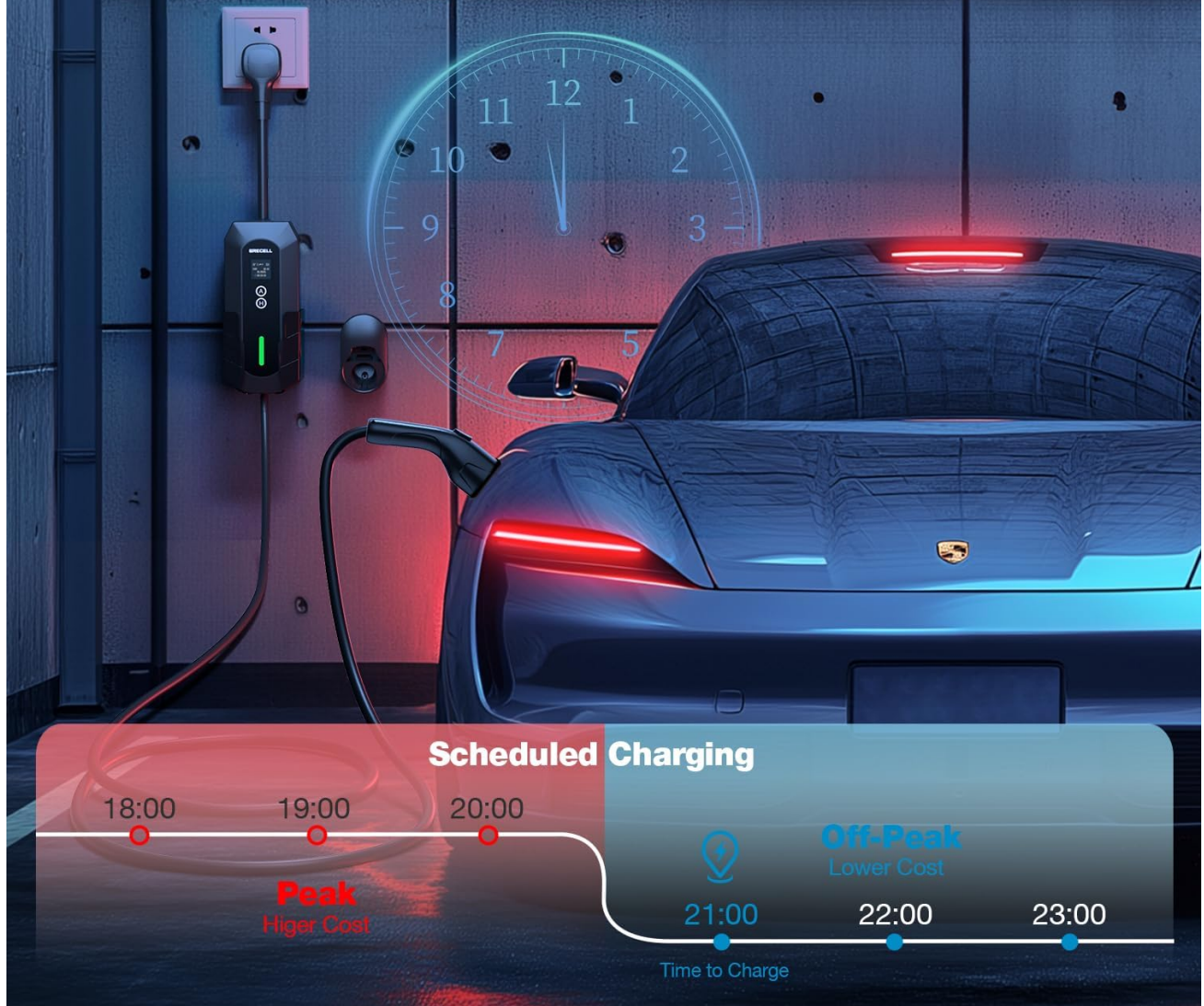


Image: Scheduled charging feature for optimizing charging times.

3.4 LCD Display Information

The LCD display provides real-time charging data:

- **Temperature:** Current operating temperature of the charger.
- **Current (A):** Real-time charging current.
- **Voltage (V):** Real-time charging voltage.
- **Power (KW):** Real-time charging power.
- **Energy (kWh):** Total energy delivered during the current charging session.
- **Time:** Duration of the current charging session or countdown for scheduled charging.

3.5 LED Indicator Status

The LED light on the control box indicates the charger's status:

- **Blue:** Standby mode.
- **Green:** Charging in progress.

- **Yellow/Red:** Fault or error condition. Refer to the Troubleshooting section.

4. MAINTENANCE

4.1 Cleaning

Regular cleaning helps maintain the charger's performance and longevity:

- Ensure the charger is unplugged from the power source before cleaning.
- Use a soft, dry cloth to wipe the exterior of the control box and cables.
- Do not use abrasive cleaners, solvents, or harsh chemicals.
- Keep the charging connector free from dust, dirt, and moisture.

4.2 Storage

When not in use for extended periods:

- Disconnect the charger from the power outlet and your vehicle.
- Coil the cable neatly and store the charging connector in its empty seat hook.
- Place the charger in the provided storage bag.
- Store in a cool, dry place, away from direct sunlight and extreme temperatures.

5. TROUBLESHOOTING

If you encounter issues with your GRECELL EV Charger, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Charger not powering on / LCD display off	No power from outlet; Faulty outlet; Charger malfunction.	Check NEMA 14-50 outlet for power (e.g., by plugging in another appliance). Ensure charger is fully plugged in. If issue persists, contact customer support.
Charging not starting	Connector not fully inserted; Vehicle not ready to charge; Scheduled charging active; Fault condition.	Ensure J1772 connector is firmly seated. Check vehicle's charging settings. Verify no scheduled charging delay is set. Check LCD for error codes or LED indicator for fault status.
Slow charging	Current setting is low; Vehicle's onboard charger limitation; Power supply issue.	Adjust current setting to a higher amperage (e.g., 32A) using the 'A' button. Consult your vehicle's manual for its maximum AC charging rate. Ensure the NEMA 14-50 outlet is providing stable 240V.
LED indicator shows yellow/red (Fault)	Various safety protection triggers (overvoltage, undervoltage, overcurrent, leakage, grounding, overheating).	Unplug the charger from both the vehicle and the wall. Wait a few minutes, then plug it back in. If the fault persists, note any error codes on the LCD and contact customer support.

MULTIPLE SECURITY PROTECTIONS

10



FCC
Certification



ETL
Certification



IP65
Waterproof



Overcurrent
Protection



Leakage
Protection



Grounding
Protection



Overtemperature
Protection



Over-frequency
Protection



Overload
Protection



Overcharge
Protection

Image: Overview of the GRECELL EV Charger's safety features.

6. SPECIFICATIONS

Feature	Detail
Brand	GRECELL
Model Number	EV-B10-US007
Amperage	32 Amps (Adjustable: 10A/16A/24A/32A)
Wattage	7.4 KW
Input Voltage	240 Volts
Output Voltage	240 Volts

Feature	Detail
Plug Type	NEMA 14-50
Connector Type	SAE J1772
Cable Length	25 Feet
Certifications	ETL, FCC, IP65 (Dustproof & Waterproof)
Special Features	Fast Charging, LED Display, Lightweight Design, Travel-friendly, Weatherproof, Adjustable Current, Scheduled Charging
Item Weight	11.14 pounds
Package Dimensions	14.13 x 13.98 x 7.24 inches

COMPATIBLE WITH ALL EVS AND PHEVS

32A
7.4KW










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: Compatibility with SAE J1772 electric vehicles.



Image: Weather resistance features of the charger.

7. WARRANTY AND SUPPORT

GRECELL provides **24-month support** for this EV charger. For any product-related inquiries, technical assistance, or warranty claims, please contact GRECELL customer service. Our team is available to provide friendly and helpful support.

Please refer to your purchase documentation or the GRECELL official website for the most current contact information.