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VEVOR EV-B07-EU011B

VEVOR Portable EV Charger User Manual

Model: EV-B07-EU011B

1. INTRODUCTION

Thank you for choosing the VEVOR Portable EV Charger. This manual provides essential information for the safe and efficient operation of your charger. Please read it thoroughly before use and retain it for future reference.

This portable EV charger is designed to provide a convenient and reliable charging solution for electric vehicles equipped with a Type 2 (IEC62196) connector. It supports both single-phase and three-phase power inputs, offering flexible charging options for various environments.

2. SAFETY INSTRUCTIONS

Important: Always follow these safety precautions to prevent injury, electric shock, fire, or damage to the product and vehicle.

- Ensure the power outlet is properly grounded and rated for the charger's specifications.
- Do not use the charger if the cable, plug, or charging gun is damaged. Contact customer support for replacement.
- Do not attempt to disassemble, repair, or modify the charger. This may void the warranty and pose safety risks.
- Keep the charger away from flammable materials, water, and extreme temperatures.
- Always insert the charging plug completely into the vehicle's charging port before connecting the power plug to the outlet.
- Disconnect the power plug from the outlet before removing the charging plug from the vehicle.
- Avoid touching the charging pins directly.
- Children should be supervised to ensure they do not play with the charger.
- The charger is rated IP66 for water and dust resistance, but avoid submerging it in water.
- This charger includes multiple protection features: lightning protection, leakage protection, grounding protection, over-voltage protection, under-voltage protection, overload protection, over-current protection, and over-temperature protection.

PROTECTING VEHICLE BATTERIES

Controller automatically adjusts current based on charging status



Figure 1: Illustration of the charger's battery protection mechanisms, showing automatic current adjustment based on charging status to prevent overcharging and maintain battery health.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact VEVOR customer service.

- 1 x VEVOR Portable EV Charger (Model: EV-B07-EU011B)
- 1 x Storage Bag
- 1 x Wall Mount Bracket
- 1 x Charging Cable Hook
- 4 x Expansion Screws
- 1 x User Manual (This document)



Item Model Number: EV-B07-EU011B

Input Voltage: AC 230V, 50 Hz (Single-phase)/ AC 400V, 50 Hz (Three-phase)

Maximum Power: 3.68 kW (Single-phase) / 11 kW (Three-phase)

Maximum Current: 16A

Cable Length: 7.5 m

Net Weight: 10.8 lbs/4.88 kg

Connector: Type 2 (IEC62196)

Plug Type: CEE 16

Waterproof Rating: IP66

Figure 2: Contents of the VEVOR Portable EV Charger package, including the charger unit, storage bag, and mounting accessories.

4. PRODUCT OVERVIEW

The VEVOR Portable EV Charger features a durable aluminum alloy body and a 7.5-meter charging cable for extended reach. It is equipped with a Type 2 (IEC62196) connector, compatible with most electric vehicles.

COMPATIBLE WITH ALL EVS

Type 2 Universal EV Charger



ALUMINUM ALLOY BODY

16A

Max. Current

11kW

Max. Power

7.5m

Cable Length

Figure 3: The VEVOR portable EV charger in use, illustrating its key features: 16A maximum current, 11kW maximum power, and a 7.5m cable length.

4.1. Components

- **Charging Unit:** The main control box with an LCD display.
- **Charging Cable:** 7.5 meters long, connecting the charging unit to the vehicle.
- **Type 2 Connector (IEC62196):** Plugs into the vehicle's charging port.
- **CEE 16 Plug:** Connects to the power outlet.
- **LCD Display:** Shows real-time charging status, current, voltage, and power.
- **Control Buttons:** For setting charging current and scheduling charging time.



Figure 4: Detailed view of the charger's control unit and the Type 2 charging connector.

VEVOR® CLEAR CHARGING STATUS

1.5-inch LCD Display



(A) Set Charging Current

(H) Schedule Charging Time



Figure 5: The 1.5-inch LCD display providing clear charging status and the 'A' and 'H' buttons for current adjustment and scheduling.

5. SPECIFICATIONS

Parameter	Value
Model Number	EV-B07-EU011B
Input Voltage	AC 230 V 50 Hz (Single-Phase) / AC 400 V 50 Hz (Three-Phase)
Maximum Power	3.68 kW (Single-Phase) / 11 kW (Three-Phase)
Maximum Current	16 A
Cable Length	7.5 m

Parameter	Value
Connector Type	Type 2 (IEC62196)
Plug Type	CEE 16
Waterproof Rating	IP66
Net Weight	4.88 kg (10.8 lbs)
Operating Temperature	-25°C to 45°C (-13°F to 113°F)

6. SETUP

6.1. Choosing a Location

Select a location that is dry, well-ventilated, and has access to a suitable CEE 16 power outlet. Ensure the 7.5m cable can comfortably reach your vehicle's charging port without being stretched or obstructed.

6.2. Wall Mounting (Optional)

For permanent installation, use the provided wall mount bracket and charging cable hook:

1. Choose a sturdy wall surface capable of supporting the charger's weight.
2. Mark the drilling points for the wall mount bracket and cable hook.
3. Drill holes and insert the expansion screws.
4. Securely attach the bracket and hook to the wall.
5. Place the charging unit into the bracket and coil the cable on the hook when not in use.

6.3. Initial Connection

Before charging, ensure your vehicle is parked and turned off.



Figure 6: The portable EV charger connected to a vehicle, ready for charging.

7. OPERATING INSTRUCTIONS

7.1. Standard Charging Procedure

1. **Connect to Vehicle:** Insert the Type 2 connector firmly into your electric vehicle's charging port. Ensure it clicks into place.
2. **Connect to Power:** Plug the CEE 16 power plug into a suitable and properly grounded CEE 16 outlet.
3. **Monitor Display:** The LCD display on the charging unit will illuminate, showing real-time charging status, including voltage, current, power, and charging time.
4. **Charging Begins:** Charging will typically start automatically. The controller adjusts the current based on the vehicle's charging status.
5. **To Stop Charging:** First, disconnect the CEE 16 power plug from the wall outlet. Then, press the release button on the Type 2 connector (if applicable) and remove it from the vehicle.

7.2. Adjusting Charging Current

The charger allows you to adjust the charging current (16A/13A/10A/8A) to match your home's electrical circuit capacity.

- While the charger is connected to power but not actively charging (or during charging), press the **A' button** on the charging unit.
- Each press will cycle through the available current options (16A, 13A, 10A, 8A).
- Select the desired current. The charger will remember this setting until disconnected from power.

7.3. Scheduled Charging (via App)

The charger supports intelligent app control for scheduled charging, allowing you to charge during off-peak hours.

- Download the "Smart Life" app (or compatible Tuya-based app) on your smartphone.
- Follow the app's instructions to connect the charger via Wi-Fi or Bluetooth.
- Within the app, you can monitor charging status, adjust current, and set a charging schedule (1 to 12 hours delay).
- Alternatively, you can use the **'H' button** on the charging unit to set a delay for charging to start. Each press increases the delay by one hour.

SCHEDULED CHARGING

Intelligent app control for
cost-effective off-peak charging



Figure 7: Intelligent app control for scheduled charging, enabling cost-effective charging during off-peak periods.

7.4. Charging Speed Comparison

3X FASTER

Significantly minimize your waiting time

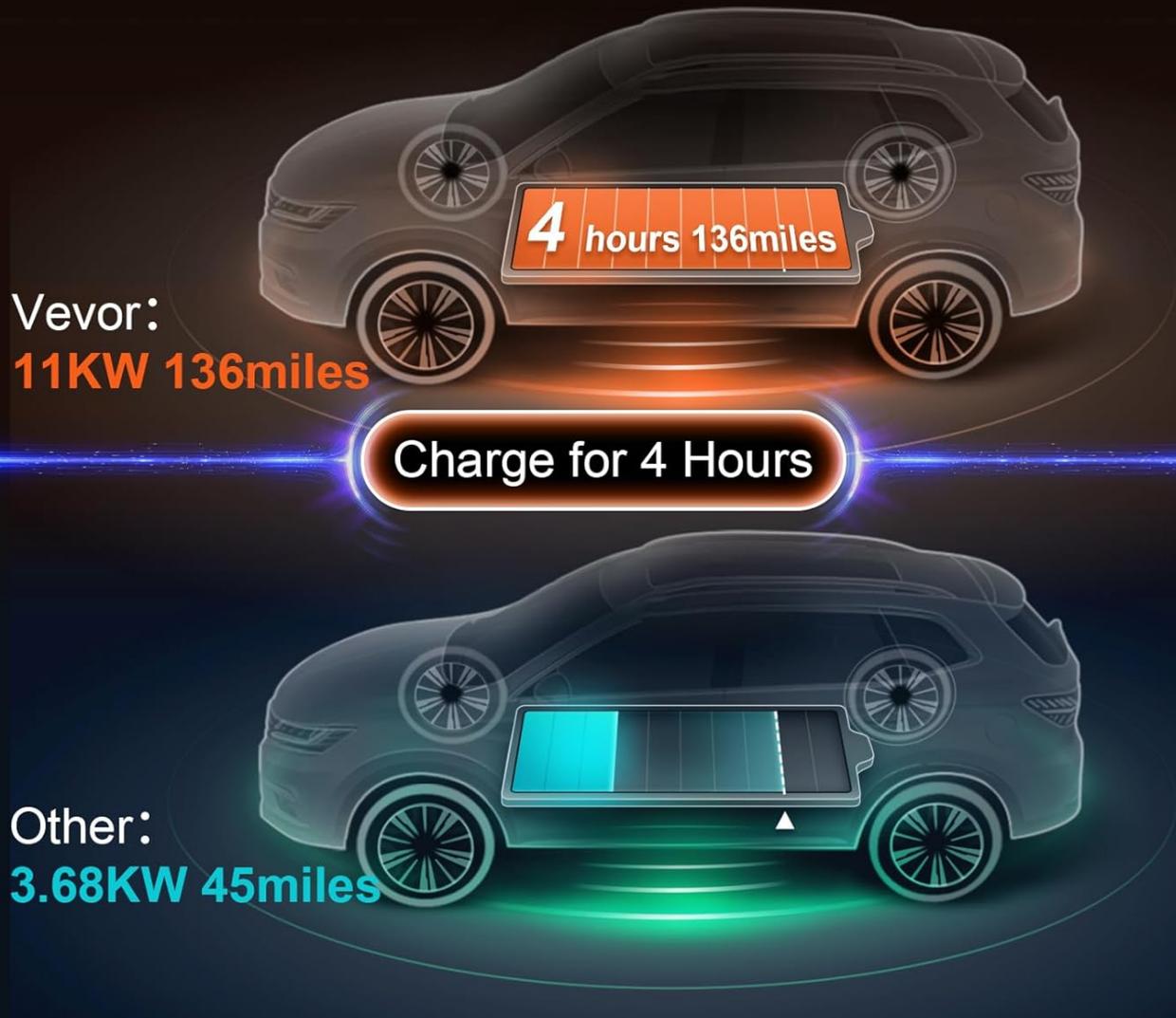


Figure 8: Visual comparison demonstrating the faster charging capability of the VEVOR 11kW charger compared to a standard 3.68kW charger.

8. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your EV charger.

- **Cleaning:** Wipe the charging unit and cables with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the charger is disconnected from power before cleaning.
- **Cable Inspection:** Regularly inspect the charging cable, plugs, and connectors for any signs of damage, wear, or corrosion. If damage is found, discontinue use and contact customer support.
- **Storage:** When not in use, store the charger in the provided storage bag in a dry, cool place, away from direct sunlight and extreme temperatures. Coil the cable neatly to prevent kinks or damage.
- **Environmental Conditions:** The charger is designed to operate between -25°C and 45°C . Avoid using it outside this range.

9. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Charger not starting / No power to display	Power plug not fully inserted; Power outlet fault; Vehicle not ready to charge.	Ensure CEE 16 plug is fully inserted. Check the power outlet with another device. Ensure vehicle is properly parked and ready for charging.
Charging stops unexpectedly	Overload protection triggered; Over-temperature protection; Vehicle battery full; Loose connection.	Check for error codes on the LCD. Reduce charging current if overload occurs. Allow charger to cool down. Check all connections are secure.
LCD display shows error code	Internal fault; Specific protection triggered (e.g., over-voltage, leakage).	Refer to the specific error code in the app (if available) or contact VEVOR customer support with the error code. Disconnect and reconnect the charger.
Cannot connect to app / Wi-Fi	Incorrect Wi-Fi password; Router too far; App issues.	Ensure correct Wi-Fi password. Move charger closer to router. Restart app and charger. Consult app's troubleshooting guide.

If the problem persists after attempting these solutions, please contact VEVOR customer support for further assistance. Do not attempt to repair the charger yourself.

10. WARRANTY AND SUPPORT

VEVOR products are designed for durability and performance. This product comes with a standard warranty. Please refer to the warranty card included in your package or visit the official VEVOR website for detailed warranty terms and conditions.

Customer Support

For technical support, warranty claims, or any questions regarding your VEVOR Portable EV Charger, please contact our customer service team:

- **Website:** www.vevor.com
- **Email:** Refer to the contact information on the VEVOR website or your purchase documentation.
- **Phone:** Refer to the contact information on the VEVOR website or your purchase documentation.

When contacting support, please have your product model number (EV-B07-EU011B) and purchase date ready.

