

[Manuals.plus](#) /

› [BETUMODA](#) /

› BETUMODA 40A Portable Level 1 & 2 EV Charger Instruction Manual

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Model: 40A EV CHARGER

INTRODUCTION

Thank you for choosing the BETUMODA 40A Portable Level 1 & 2 EV Charger. This manual provides essential information for the safe and efficient operation of your new electric vehicle charging device. Please read it thoroughly before use and retain it for future reference.



Image: BETUMODA Level 2 Portable EV Charger banner highlighting key features like 40A current, 240V voltage, 9.6kW power, LCD display, adjustable current, adjustable time, and 25ft cable.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x BETUMODA 40A Portable EV Charger
- 1 x NEMA 14-50 Plug (integrated)
- 1 x NEMA 5-15 Adapter
- 1 x User Manual

- 1 x Control Box Holder
- 1 x Set of Fixed Nails (for holder installation)
- 1 x Portable Carry Bag

Package List



Image: Visual representation of all items included in the BETUMODA EV Charger package, including the charger unit, NEMA 14-50 adapter, NEMA 5-15 adapter, user manual, fixed nails, control box holder, and portable carry bag.

SAFETY INSTRUCTIONS

Your safety is paramount. Adhere to the following safety guidelines:

- **Professional Installation:** For NEMA 14-50 connectivity, ensure your home has a dedicated 240V circuit installed by a qualified electrician.
- **Current Limits:** When using the NEMA 5-15 adapter for Level 1 charging, **DO NOT** set the current to exceed 16A to prevent overload.
- **Protection Features:** The charger is equipped with built-in over-voltage, over-current, short-circuit, and overheating protection. In case of an overload, the protection mechanism will automatically report errors and power off.
- **Waterproof Rating:** The charger has an IP65 waterproof rating, ensuring reliable performance in various weather conditions.

- **Environmental Conditions:** The charger is designed to withstand temperatures from -22°F to +113°F.
- **Avoid Damage:** Do not attempt to open, disassemble, repair, tamper with, or modify the EV charger. Do not use the EV charger if it is visibly damaged.
- **Proper Grounding:** Always connect the EV charger into a power outlet that is properly grounded.



Image: Diagram illustrating the 10 intelligent safety protection features of the BETUMODA EV Charger, including IP65 Waterproof, Grounding Protection, Lightning Protection, Overcharge Protection, Undervoltage Protection, FCC Certification, Overheat Protection, Leakage Protection, Overcurrent Protection, and Overvoltage Protection.

SETUP

Follow these steps to set up your BETUMODA EV Charger:

1. **Choose Power Outlet:** Determine whether you will use a NEMA 14-50 (240V, Level 2) or NEMA 5-15 (120V, Level 1) outlet.
2. **Connect Adapter (if needed):** If using a NEMA 5-15 outlet, attach the NEMA 5-15 adapter to the charger's main plug.
3. **Plug into Wall Outlet:** Firmly insert the charger's plug (with or without adapter) into the appropriate wall outlet. The charger's display will illuminate, indicating it is powered on.
4. **Mount Control Box (Optional):** Use the provided control box holder and fixed nails to securely mount the control box on a wall near your charging location.



Image: Step-by-step visual guide showing how to insert the EV charger plug into the socket, long-press to activate and short-press to adjust current/delay, and plug the charger into the car.

Video: An unboxing and setup guide for a portable EV charger, demonstrating how to connect the charger to a NEMA 5-15 outlet and then to an electric vehicle. Note: This video features a 16A charger, but the setup process is similar.

OPERATING INSTRUCTIONS

The BETUMODA EV Charger offers smart control features for a customized charging experience:

1. **Connect to Vehicle:** Open your vehicle's charging port and firmly insert the J1772 charging gun. For Tesla vehicles, an additional J1772 to Tesla adapter (not included) is required.
2. **Adjust Current:** The charger features five adjustable current settings (8A/16A/24A/32A/40A). Long-press any on-screen button on the control box to activate the settings. Short-press to cycle through

the available current levels and select your preferred amperage.

3. **Set Delay Timer:** You can program a delay timer from 1 to 12 hours. Long-press any on-screen button to activate the settings. Short-press to adjust the delay time, allowing you to utilize off-peak electricity hours.
4. **Start Charging:** Once the current and/or delay time is set, the charger will automatically begin charging after the specified delay (if any). The display will show charging status, energy consumption, voltage, and current.
5. **Stop Charging:** To stop charging, simply press the release button on the charging gun and remove it from your vehicle. Unplug the charger from the wall outlet when not in use.



Image: Close-up of the BETUMODA EV Charger's control box display, showing options for adjustable current (8A, 16A, 24A, 32A, 40A) and adjustable delay time (1-12 hours). Instructions indicate long-press to activate buttons and short-press to switch settings.

Video: A promotional video for the ApexCharger Mach 3, demonstrating its portability, NEMA 5-15 and 14-50 compatibility, plug-and-play setup, and adjustable Level 1 & 2 charging up to 40A. This video highlights features relevant to the BETUMODA charger's operation.

Video: A demonstration of how to use a portable EV charger, including plugging it into the wall, connecting to the vehicle, and adjusting settings on the control box. This video is from ELE GROUP, a seller of similar products.

COMPATIBILITY

The BETUMODA 40A EV Charger is designed for broad compatibility:

- **J1772 Universal Compatibility:** This EV charger is compatible with all SAE-J1772 electric vehicles and plug-in hybrid vehicles, including Chevrolet, BMW, Ford, Toyota, Hyundai, Audi, Volkswagen, Nissan, Mitsubishi, and others.
- **Tesla Compatibility:** For Tesla EVs, an additional SAE J1772 to Tesla adapter is required (not included).
- **Dual Voltage Support:** The charger supports both 240V (Level 2) via NEMA 14-50 plug and 120V (Level 1) via the included NEMA 5-15 adapter.

Full compatibility with J1772 EV charging standard



BMW



TOYOTA



Hyundai



Audi



Nissan



Mitsubishi



Chevrolet



Ford



Volkswagen



Other



For Tesla charging: SAE J1772 adapter required (not included)

Image: A visual chart displaying various car brands (BMW, Mitsubishi, Toyota, Chevrolet, Hyundai, Ford, Audi, Volkswagen, Nissan, Other) that are compatible with the J1772 EV charging standard. A note indicates that a SAE J1772 adapter is required for Tesla charging.

MAINTENANCE

To ensure the longevity and optimal performance of your EV charger, follow these maintenance tips:

- **Regular Cleaning:** Keep the charging gun and control box clean and free from dust and debris. Use

a soft, dry cloth for cleaning.

- **Cable Care:** Avoid kinking or bending the charging cable sharply. Store the cable neatly when not in use to prevent damage.
- **Storage:** When not in active use, store the charger in its portable carry bag in a dry, cool place, away from direct sunlight or extreme temperatures.
- **Inspect for Damage:** Periodically inspect the charger, cable, and plugs for any signs of wear, damage, or corrosion. If any damage is found, discontinue use and contact customer support.

TROUBLESHOOTING

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

- **Charger Not Powering On:**
 - Ensure the charger is firmly plugged into a live wall outlet.
 - Check the circuit breaker for the outlet to ensure it hasn't tripped.
- **Charging Not Starting:**
 - Verify that the charging gun is securely connected to the vehicle's charging port.
 - Check the charger's display for any error messages or status indicators.
 - Ensure the vehicle's charging system is active and ready to receive a charge.
- **Slow Charging:**
 - Confirm the current setting on the charger's control box. Adjust to a higher amperage if your electrical system supports it.
 - Ensure you are using a dedicated 240V NEMA 14-50 outlet for Level 2 charging for faster speeds.
- **Error Message Displayed:**
 - Note the specific error code or message on the display. Refer to the user manual for detailed explanations or contact customer support.
 - Disconnect and reconnect the charger from both the wall and the vehicle.

SPECIFICATIONS

Brand	BETUMODA
Model	40A EV CHARGER
Item Model Number	EVC-20-75-US-A
Input Voltage	110V-240V (AC)
Amperage	40 Amps (Adjustable: 8A/16A/24A/32A/40A)
Wattage	9.6 KW
Cable Length	25 feet
Plug Type	NEMA 14-50 (with NEMA 5-15 Adapter)

Compatibility	SAE-J1772 EVs/PHEVs (Tesla requires adapter)
Waterproof Rating	IP65
Operating Temperature	-22°F to +113°F (-30°C to +45°C)
Safety Certifications	FCC & CE

WARRANTY & SUPPORT

The BETUMODA 40A Portable Level 1 & 2 EV Charger comes with a manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, troubleshooting assistance, or warranty claims, please contact BETUMODA customer service through the retailer where the product was purchased.

Video: A short vertical video from Junsun Car Electronics demonstrating the features of a Level 1 and 2 EV charger, including its compact design and ease of use. This video is from a seller of similar products.