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› BETUMODA 16A Level 1 & 2 EV Charger User Manual

BETUMODA 16A EV CHARGER

BETUMODA 16A Level 1 & 2 EV Charger User Manual

Model: 16A EV CHARGER

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your BETUMODA 16A Level 1 & 2 EV Charger. This portable charger is designed to provide flexible charging solutions for all SAE J1772 electric vehicles and plug-in hybrids, offering both Level 1 (110V) and Level 2 (240V) charging capabilities. Please read this manual thoroughly before use and retain it for future reference.



Image: Overview of 110V and 240V charging rates and travel miles per hour.

2. IMPORTANT SAFETY INSTRUCTIONS

To ensure safe operation and prevent injury or damage, always follow these basic precautions:

- Do not immerse the charger in water or other liquids.
- Do not operate the charger if the cable or connector is damaged.
- Ensure the charging environment is well-ventilated.
- Keep children away from the charging area.
- This charger is equipped with multiple protection features, including overvoltage, overcurrent, overheating, and leakage protection.

- The IP65-rated enclosure provides excellent water and dust resistance.
- The charger is certified to CE and FCC standards.

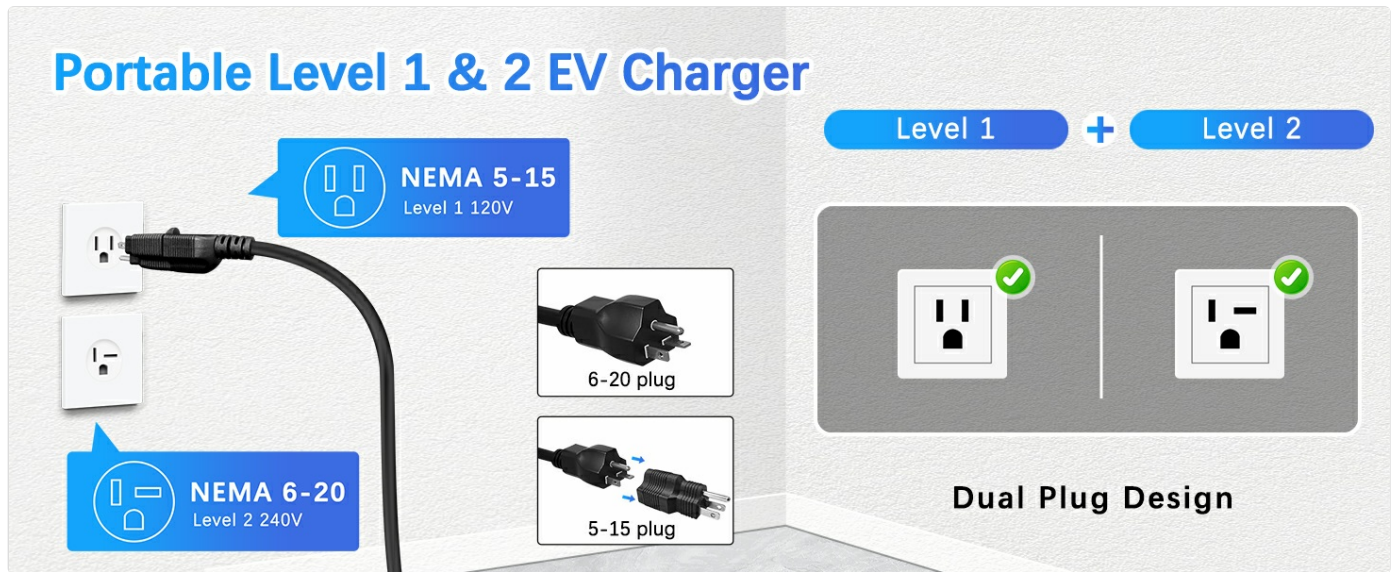


Image: Visual representation of the charger's 10 intelligent safety protection features, including IP65 waterproof, grounding, lightning, overcharge, undervoltage, FCC certification, overheat, leakage, overcurrent, and overvoltage protection.

3. PRODUCT FEATURES

The BETUMODA 16A EV Charger offers a range of features designed for convenience and safety:

- **Universal Compatibility:** Works with all SAE J1772 electric vehicles and plug-in hybrids. (Note: Tesla vehicles require an additional J1772 to Tesla adapter).
- **Dual Level Charging:** Compatible with both NEMA 5-15 (Level 1, 110V) and NEMA 6-20 (Level 2, 240V) outlets.
- **Adjustable Current:** Supports 4 levels of adjustable current (8A/10A/13A/16A) to suit your power source and charging needs.
- **Smart Delayed Start:** Features a 1-12 hour smart delayed start timer for scheduled charging, optimizing for off-peak electricity rates.
- **LED Touch Display:** A 2.8-inch LED touch display provides real-time voltage, current, power, and charging status, allowing for easy management and troubleshooting.
- **Durable Design:** IP65-rated for water and dust resistance, capable of withstanding temperatures from -22°F to +113°F.
- **Long Cable:** Equipped with a 24.9-foot cable for maximum flexibility in placement.



Image: Illustrates compatibility with various J1772 electric vehicles and plug-in hybrids, including Ford, GM, Nissan, Audi, BMW, Kia, Hyundai, and Chevy. Notes that Tesla requires an adapter.

4. SETUP

Follow these steps to set up your EV charger:

1. **Unpack:** Carefully remove all components from the packaging. Verify that all items listed in the packing list are present.
2. **Mount (Optional):** Use the provided control box holder and fixed nails to mount the control box on a wall near your desired charging location. Ensure the mounting surface is sturdy.
3. **Connect to Power:**
 - For Level 1 charging (110V): Connect the NEMA 5-15 adapter to the charger's plug, then plug it into a standard NEMA 5-15 household outlet.
 - For Level 2 charging (240V): Plug the charger directly into a NEMA 6-20 outlet.
4. **Initial Check:** Once connected to power, the LED display on the control box should illuminate, indicating it is ready

for operation.

Superior Safety Protection

10 Intelligent Safety Protection



IP65
Waterproof



Grounding
Protection



Lightning
Protection



Overcharge
Protection



Undervoltage
Protection



FCC
Certification



Overheat
Protection



Leakage
Protection



Overcurrent
Protection



Overvoltage
Protection



Image: Demonstrates the dual plug design, showing how to connect to NEMA 5-15 (Level 1, 120V) and NEMA 6-20 (Level 2, 240V) outlets.

Portable level 1 & 2 EV Charger



Image: Displays the complete package contents, including the EV charger, portable carry bag, NEMA 5-15 plug, control box holder, fixed nails, and user manual.

5. OPERATING INSTRUCTIONS

The BETUMODA EV Charger features an intuitive LED touch display for easy operation.

5.1 Adjusting Charging Current

1. **Activate:** Long press the 'A' button on the control box to enter settings mode. The current value on the screen will turn red.
2. **Select Current:** Short press the 'A' button repeatedly to cycle through the available current options (8A, 10A, 13A, 16A).
3. **Confirm:** Long press the 'A' button again to confirm your selection.



Image: Step-by-step guide on how to adjust the charging current (8A/10A/13A/16A) using the control box's 'A' button and LED display.

5.2 Setting Delayed Charging

1. **Activate:** Long press the 'A' button on the control box to enter settings mode. The current value on the screen will turn red.
2. **Select Delay Time:** Short press the 'Time' button repeatedly to cycle through the delayed start time options (1-12 hours).
3. **Confirm:** Long press the 'A' button to confirm your selection. The charger will begin charging after the set delay period.

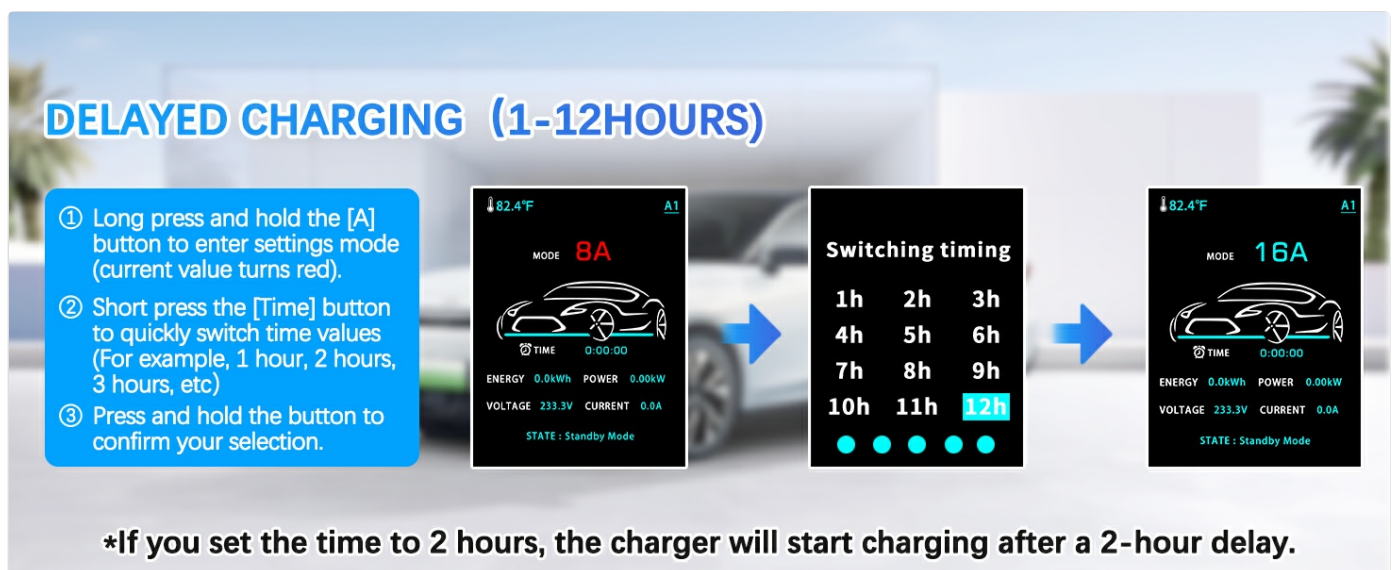


Image: Step-by-step guide on how to set a delayed charging timer (1-12 hours) using the control box's 'Time' button and LED display.

5.3 Monitoring Charging Status

The 2.8-inch LED touch display provides comprehensive information during charging:

- Real-time voltage and current.
- Power consumption (kW).
- Charging time elapsed.
- Charging status (e.g., Standby Mode, Charging).
- Error indicators for rapid troubleshooting.

Control Box Introduction



Adjustable Current

(8A 10A 13A 16A)

< 8A 10A 13A **16A** >



Delay Charging

<1H-12H>

< 1H 2H ... **12H** >

Operation Instructions:

Long press to activate; red on-screen values indicate selection. Then, short press to easily switch amperage or time settings.



Image: Close-up view of the EV charger's control box display, showing current temperature, selected amperage, charging time, energy consumption, voltage, current, and status.

6. MAINTENANCE

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

- **Cleaning:** Wipe the control box and cables with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the charging cable, plugs, and connectors for any signs of wear, damage, or corrosion. If any damage is found, discontinue use and contact customer support.
- **Storage:** When not in use, store the charger in a dry, clean place, preferably in its portable carry bag, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING GUIDE

If you encounter issues with your BETUMODA EV Charger, refer to the following common troubleshooting tips:

- **Charger Not Powering On:** Ensure the charger is securely plugged into a functional power outlet. Check the circuit breaker for the outlet.
- **Charging Not Initiating:** Verify that the J1772 connector is fully and correctly inserted into your vehicle's charging port. Check the display for any error messages.
- **Slow Charging:** Confirm the selected current setting on the charger's display. Ensure you are using the appropriate outlet (NEMA 6-20 for Level 2 charging) for faster rates.
- **Error Message on Display:** The LED display is designed to show error codes. Refer to the specific error code displayed and consult the BETUMODA customer support for further assistance.
- **Overheating:** If the charger or cable feels excessively hot, disconnect it immediately. Ensure the charger is in a well-ventilated area and not exposed to direct sunlight during charging.

For persistent issues or technical support, please contact BETUMODA customer service.

8. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	BETUMODA
Model Number	16A EV CHARGER (EVC-16A-DE-B)
Amperage	16 Amps (Adjustable: 8A/10A/13A/16A)
Input Voltage	110V–240V
Cable Length	24.9 feet
Plug Types	NEMA 5-15 & NEMA 6-20
Connector Type	SAE J1772
Protection Rating	IP65 (Water and Dust Resistant)
Operating Temperature	-22°F to +113°F
Certifications	CE, FCC
Item Weight	7.65 pounds
Package Dimensions	15.47 x 12.09 x 5.24 inches

9. WARRANTY AND CUSTOMER SUPPORT

BETUMODA products are manufactured to high-quality standards. For warranty information, please refer to the specific warranty card included with your product or contact BETUMODA customer support directly.

If you have any questions, require technical assistance, or need to report an issue, please contact our customer support team through the retailer where you purchased the product or visit the official BETUMODA website for contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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