GODIAG EV-B04-US003A

GODIAG Level 2 EV Charger User Manual

Model: EV-B04-US003A

1. Introduction

This user manual provides comprehensive instructions for the safe and efficient operation of your GODIAG Level 2 EV Charger. This portable electric vehicle charger is designed to provide efficient charging for J1772 standard electric vehicles (EVs) and plug-in hybrid electric vehicles (PHEVs) using a 240V NEMA 14-50 outlet. Please read this manual thoroughly before using the product to ensure proper function and longevity.

2. Safety Information

Your safety is paramount. Adhere to all safety guidelines to prevent injury or damage to the charger or vehicle.

- Ensure the charger is connected to a properly grounded 240V NEMA 14-50 outlet.
- Do not use the charger if the cable or plug is damaged.
- Avoid submerging the charger control box in water, although it is IP65 dust and water-resistant.
- Do not attempt to disassemble or repair the charger. Contact qualified personnel for service.
- Keep children and pets away from the charging area.
- The charger is equipped with built-in protection functions including overvoltage, overcurrent, and short circuit protection.
- Ensure proper ventilation around the charger during operation to prevent overheating.

Figure 2.1: All-Round Protection Features. This diagram highlights the comprehensive safety mechanisms integrated into the GODIAG EV charger, ensuring protection against various electrical hazards and environmental factors.

3. Product Overview

3.1. Components

The GODIAG Level 2 EV Charger package includes the following components:

- 1x GODIAG 32 Amp Level 2 EV Charger with NEMA 14-50 Plug and J1772 Connector
- 1x Charger Box Holder
- 1x Cable Holder
- 1x Storage Bag
- 1x User Manual (this document)
- 1x Set of Mounting Screws

Figure 3.1: GODIAG Level 2 EV Charger and Included Accessories. This image displays the complete set of items provided with the charger, including the main unit, power plug, charging gun, wall mount, and carrying case.

3.2. Key Features

- **Level 2 Charging:** Operates on 240V with a 32 Amp capacity, delivering up to 7.68kW for efficient charging.
- **Adjustable Current:** Charging current can be adjusted to 10A, 16A, 24A, or 32A to suit various power sources and charging needs.
- **NEMA 14-50 Plug:** Equipped with a standard NEMA 14-50 plug for direct connection to compatible outlets.
- **J1772 Connector:** Compatible with all J1772 standard EVs and PHEVs. A J1772 to Tesla adapter (not included) is required for Tesla vehicles.
- **20ft Cable:** Provides ample reach from the power outlet to your vehicle's charging port.
- **ETL & FCC Certified:** Ensures compliance with safety and quality standards.
- **IP65 Rated:** Offers protection against dust ingress and low-pressure water jets.

- **Informative LCD Display:** Provides real-time charging data including selected charging mode, voltage, current, temperature, completed kWh, and charge duration.
- **Portable Design:** Compact and includes a storage bag for easy transport and convenient use at home or on the go.

Figure 3.2: Control Box Introduction. This image details the LED indicators and the LCD screen, which provides essential charging information and allows for current adjustment.

Figure 3.3: Vehicle Compatibility. The charger is compatible with a wide range of electric vehicles and PHEVs that use the J1772 charging standard. Tesla vehicles require an additional adapter.

4. Setup

4.1. Mounting the Charger (Optional)

The GODIAG EV Charger can be mounted on a wall for convenience. Use the provided charger box holder, cable holder, and mounting screws.

1. Choose a suitable location near your NEMA 14-50 outlet, ensuring it is a dry, protected area.
2. Mark the drilling points for the charger box holder and cable holder on the wall.
3. Drill pilot holes and secure the holders using the provided screws.
4. Place the charger control box into its holder and hang the J1772 connector on the cable holder when not in use.

Figure 4.1: Wall-Mounted Charger Setup. This image demonstrates the charger mounted on a wall, highlighting the 21-foot cable length and the use of the provided holders for organization.

4.2. Initial Connection

The charger is designed for plug-and-play operation. No complex installation is required beyond plugging it into a compatible outlet.

1. Ensure your NEMA 14-50 outlet is properly installed and functional.
2. Insert the NEMA 14-50 plug of the GODIAG EV Charger firmly into the wall outlet.
3. The charger's LCD display will illuminate, and the "Power" LED indicator will turn green, indicating it is ready for use.

Figure 4.2: NEMA 14-50 Plug Connection. This image illustrates the simple plug-and-go setup, showing the charger connected to a standard NEMA 14-50 wall outlet.

5. Operating Instructions

5.1. Charging Your Vehicle

1. Ensure the charger is plugged into the NEMA 14-50 outlet and the "Power" LED is green.
2. Open your vehicle's charging port cover.
3. Firmly insert the J1772 charging connector into your vehicle's charging port until it clicks into place.
4. The charger will automatically begin the charging process. The "Charge" LED indicator will turn yellow, and the LCD display will show real-time charging data.
5. To stop charging, first disconnect the J1772 connector from your vehicle, then unplug the NEMA 14-50 plug from the wall outlet.

5.2. Adjusting Charging Current

The GODIAG EV Charger allows you to adjust the charging current (10A, 16A, 24A, 32A) to match your power source capacity or desired charging speed.

1. Before connecting the charger to your vehicle, press the "Current Switching" button on the control box.
2. Each press will cycle through the available current settings (32A → 24A → 16A → 10A).
3. The selected current will be displayed on the LCD screen.
4. Once the desired current is set, connect the charger to your vehicle to begin charging at the chosen amperage.

Figure 5.1: LCD Display Details. This image provides a clear view of the LCD screen, showing real-time charging data and the current setting.

6. Maintenance

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

- **Cleaning:** Wipe the charger control box and cables with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the charger is unplugged before cleaning.
- **Storage:** When not in use, store the charger in its provided storage bag in a dry, cool place, away from direct sunlight and extreme temperatures. Utilize the cable holder to keep the cable neatly coiled.
- **Inspection:** Periodically inspect the NEMA 14-50 plug, J1772 connector, and the entire cable for any signs of damage, wear, or corrosion. If any damage is found, discontinue use and contact support.

7. Troubleshooting

This section addresses common issues you might encounter with your GODIAG EV Charger.

Problem	Possible Cause	Solution
Charger not powering on (No LEDs, LCD off)	No power from outlet; Faulty outlet; Damaged charger plug/cable.	Check the NEMA 14-50 outlet with another appliance. Ensure the plug is fully inserted. Inspect the cable for damage.
"Fault" LED is red	Internal fault; Overvoltage/Overcurrent protection activated; Short circuit.	Unplug the charger from both the vehicle and the wall. Wait 5 minutes, then plug it back in. If the fault persists, contact customer support.

Problem	Possible Cause	Solution
Charging not starting (Yellow "Charge" LED not on)	J1772 connector not fully inserted; Vehicle charging port issue; Vehicle not ready to charge.	Ensure the J1772 connector is firmly seated in the vehicle's port. Check your vehicle's charging settings.
LCD display shows abnormal readings or is blank during charging	Software glitch; Internal component issue.	Disconnect and reconnect the charger. If the issue persists, contact customer support.

If you encounter issues not listed here or if troubleshooting steps do not resolve the problem, please contact GODIAG customer support.

8. Specifications

Parameter	Value
Model	EV-B04-US003A
Input Voltage	240V AC
Max Current	32 Amp (Adjustable: 10A/16A/24A/32A)
Max Output Power	7.68 kW
Plug Type	NEMA 14-50
EV Connector	J1772
Cable Length	20 ft (6.1 meters)
Certifications	ETL, FCC
IP Rating	IP65 (Dust and Water Resistant)
Item Weight	8.42 pounds (3.82 kg)
Product Dimensions (Control Box)	0.39 x 3.94 x 1.97 inches (approximate, from product dimensions)

9. Warranty and Support

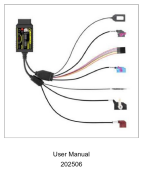
GODIAG provides a **2-year warranty** for this Level 2 EV Charger, covering defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

9.1. Customer Support

For technical assistance, warranty claims, or any product-related inquiries, please contact GODIAG customer support. You can find contact information on the official GODIAG website or through your purchase platform.
GODIAG is committed to providing 24/7 customer support and ensuring a simple returns and exchange process for customer satisfaction.
Visit the official GODIAG Store for more information: GODIAG Store on Amazon

Related Documents - EV-B04-US003A

	GODIAG GT112 K-Line IMMO Key Matching Test Platform Cable User Manual User manual for the GODIAG GT112 K-Line test platform cable, detailing its functions and step-by-step instructions for IMMO key matching for VW, Skoda, and Seat vehicles, including VW Golf IV 1999 VDO-93C86.
	GODIAG GT112 K-Line: VW, Skoda, Seat IMMO Key Matching User Manual Comprehensive user manual for the GODIAG GT112 K-Line test platform cable, detailing procedures for VW, Skoda, and Seat 2nd & 3rd generation dashboards, including IMMO key matching, synchronization, and diagnostics.
	GODIAG GT111 User Manual: VW, Skoda, Seat IMMO Key Matching Guide Comprehensive user manual for the GODIAG GT111 CAN-Bus 3rd & 3.5th generation dashboard IMMO key matching test platform cable. Includes product overview, functions, and step-by-step instructions for key matching with VW, Skoda, and Seat vehicles using VVDI2 software.
	GODIAG GT111 VW Skoda Seat CAN-Bus Key Matching Test Platform User Manual User manual for the GODIAG GT111 CAN-Bus 3rd & 3.5th generation dashboard IMMO key matching test platform cable. Provides instructions for key matching with VVDI2 software for VW, Skoda, and Seat vehicles.
	GODIAG GT110: VW, Skoda, Seat 4th Gen IMMO System Test Platform Cable User Manual User manual for the GODIAG GT110, a CAN-Bus UDS 4th generation IMMO system test platform cable for VW, Skoda, and Seat vehicles. Learn about offline POGO PIN data reading/writing, key programming, and diagnostics for IMMO systems.



GODIAG GT115 User Manual: MQB IMMO4 System Test Platform

User manual for the GODIAG GT115, a test platform for V-A-G MQB IMMO4 CAN-Bus UDS 4th Generation IMMO systems. Includes instructions for key detection, POGO PIN usage, and MQB platform connection.