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GUWIEYG EVLC-M2-AC16T-L1

GUWIEYG Type 1 EV Charger Instruction Manual

Model: EVLC-M2-AC16T-L1

1. Introduction

This manual provides essential information for the safe and efficient operation of your GUWIEYG Type 1 Electric Vehicle (EV) Charger. Please read this manual thoroughly before using the product and retain it for future reference.
The GUWIEYG Type 1 EV Charger is designed to provide reliable charging for your electric vehicle. It features adjustable current settings, a digital display for real-time data, and robust safety protections. The charger is compatible with Type 1 (SAE J1772) electric vehicles and includes an adapter for Type 2 (IEC 62196) compatibility, making it versatile for various EV models.

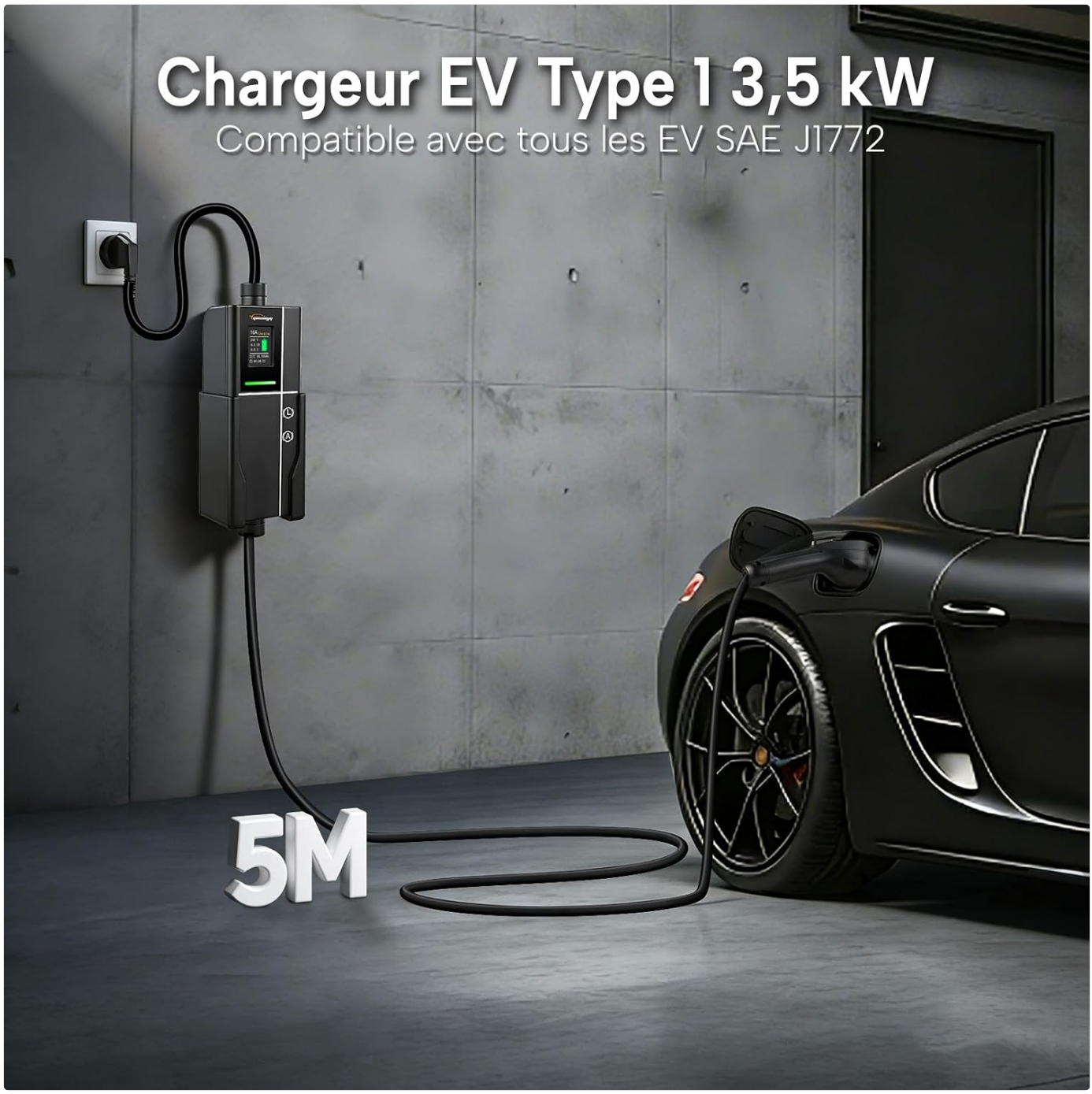


Image 1.1: GUWIEYG Type 1 EV Charger in use, demonstrating the 5-meter cable length.



Image 1.2: Compatibility with Type 1 (SAE J1772) and Type 2 (IEC 62196) electric vehicles using the included adapter.

2. Safety Information

Always adhere to the following safety precautions to prevent injury or damage to the product and your vehicle:

- Do not use the charger if the cable or connector is damaged.
- Ensure the power outlet is properly grounded and rated for the charger's specifications.
- Do not attempt to open, disassemble, or modify the charger unit.
- Keep the charger away from flammable materials, liquids, and gases.
- Avoid submerging the charger in water, despite its IP66 rating, to prevent electrical hazards.
- Supervise children and pets when the charger is in use.
- Disconnect the charger from the power source before cleaning or maintenance.

The GUWIEYG EV charger is equipped with multiple safety features:

- **Overcurrent Protection:** Prevents damage from excessive current.
- **Residual Current Protection:** Detects and mitigates ground faults.
- **Ground Protection:** Ensures proper grounding for electrical safety.
- **Over/Under Voltage Protection:** Safeguards against voltage fluctuations.
- **Over/Under Frequency Protection:** Maintains stable power delivery.
- **Over/Under Temperature Protection:** Prevents overheating or operation in extreme cold.
- **IP66 Waterproof Rating:** Provides protection against dust and powerful water jets.



Image 2.1: Overview of the GUWIEYG EV charger's comprehensive safety protections.



Image 2.2: The charger's IP66 water resistance ensures safe operation even in rainy conditions.

3. Package Contents

Verify that all items are present in the package:

- GUWIEYG Type 1 EV Charger Unit
- Wall Mount Bracket
- Type 1 to Type 2 Adapter
- Mounting Screws and Anchors
- Instruction Manual
- Storage Bag (for portable use)

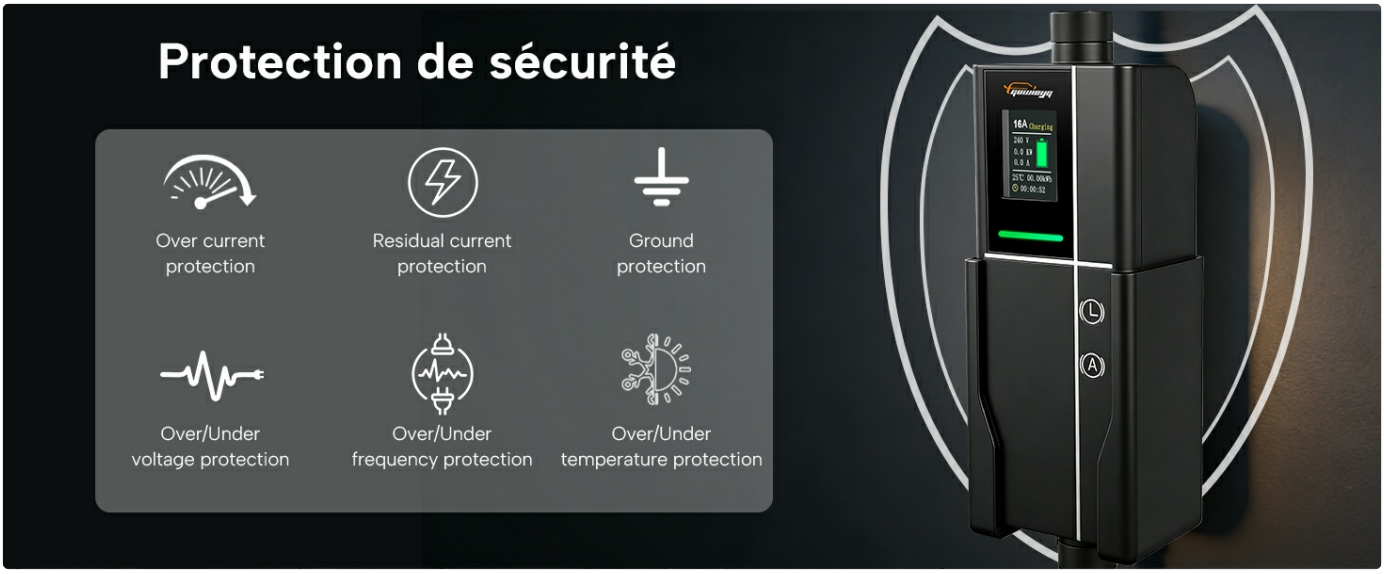


Image 3.1: All components included in the GUWIEYG EV charger package.

4. Product Overview

The GUWIEYG EV Charger consists of a main control unit with a digital display, a 5-meter charging cable, and a Type 1 connector. It also includes a Schuko plug for connection to standard European outlets and an adapter for Type 2 EV compatibility.

Digital Display

The integrated digital display provides real-time information about the charging process, including:

- Charging status
- Current (Amps)
- Voltage (Volts)
- Power (kW)
- Energy charged (kWh)
- Charging duration
- Temperature
- Fault conditions

Control Buttons

The charger unit features buttons for adjusting the charging current and setting delayed charging times.



Image 4.1: Digital display and control buttons for current and delay settings.

5. Setup

The GUWIEYG EV Charger can be used as a wall-mounted home charging station or as a portable travel charger.

5.1 Wall-Mounted Installation

1. Choose a suitable location near your parking spot, ensuring it is within reach of your vehicle's charging port and a grounded Schuko outlet.
2. Use the provided wall mount bracket as a template to mark drilling points on the wall.
3. Drill holes and insert the wall anchors.
4. Secure the wall mount bracket to the wall using the provided screws.
5. Mount the charger unit onto the bracket.

6. Ensure the charger is securely fastened before use.

5.2 Portable Use

For portable use, simply store the charger and its accessories in the provided storage bag. Ensure the cable is neatly coiled to prevent damage.



Image 5.1: The GUWIEYG EV charger offers both wall-mounted and portable charging options.

6. Operating Instructions

6.1 Connecting to Your EV

1. Ensure your vehicle is parked and turned off.
2. Plug the Schuko plug of the charger into a grounded power outlet. The charger's display will light up.

3. Open your EV's charging port cover.
4. Insert the Type 1 connector into your EV's charging port. If your EV uses a Type 2 port, first attach the Type 1 to Type 2 adapter to the charger's connector, then insert the adapter into your EV's port.
5. The charger will initiate a self-check, and then charging will begin automatically or await your settings.

6.2 Adjusting Charging Current

You can adjust the charging current to suit your needs or the capacity of your power outlet. The charger supports 8A, 10A, 13A, and 16A settings.

- Press the 'A' button (Current Adjustment) on the charger unit to cycle through the available current options.
- Select the desired current. The display will show the active current setting.

6.3 Setting Delayed Charging

The charger allows you to set a delay for charging to start, which can be useful for utilizing off-peak electricity rates.

- Press the 'L' button (Delay Setting) on the charger unit to cycle through delay options (e.g., 1H, 2H, 6H).
- Select the desired delay time. The charger will begin charging after the set delay has passed.

6.4 Monitoring Charging Status

The digital display provides real-time updates on the charging process. Regularly check the display for current, voltage, power, and charging duration.

6.5 Disconnecting the Charger

1. Ensure charging has stopped (either automatically or by manually stopping it via your vehicle's controls, if applicable).
2. Remove the Type 1 connector (or Type 2 adapter) from your EV's charging port.
3. Unplug the Schuko plug from the power outlet.
4. Store the cable and charger neatly.

7. Maintenance

7.1 Cleaning

- Before cleaning, ensure the charger is disconnected from both the power outlet and the EV.
- Wipe the charger unit and cable with a soft, damp cloth.
- Do not use harsh chemicals, abrasive cleaners, or solvents.
- Ensure all components are dry before reconnecting.

7.2 Storage

- When not in use, store the charger in a cool, dry place, away from direct sunlight and extreme temperatures.
- Coil the cable loosely to prevent kinks or damage.
- Use the provided storage bag for portable use to protect the charger during transport.

7.3 Durability

The charger is built with a durable TPU cable and high-strength ABS housing, designed to withstand over 10,000 insertion/removal cycles and 10,000 cable bend tests. It also features UL94 V-0 fire resistance.



Image 7.1: Durability features and rigorous testing of the GUWIEYG EV charger.

8. Troubleshooting

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

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Charger not powering on	No power from outlet; loose connection	Check the power outlet with another device; ensure the Schuko plug is fully inserted.
Charging not starting	EV not ready for charge; connector not fully inserted; delayed charging set	Ensure EV is ready to charge; firmly insert the connector; check delay settings on the charger.
Error message on display	Safety protection activated (e.g., overcurrent, overvoltage, overheat)	Refer to the specific error code on the display (if any) and consult the safety section. Disconnect and reconnect after a few minutes. If the problem persists, contact support.
Slow charging speed	Current setting is low; vehicle's charging limit	Adjust the current setting to a higher amperage (e.g., 16A). Check your vehicle's charging settings.

9. Specifications

Feature	Specification
Brand	GUWIEYG
Model Number	EVLC-M2-AC16T-L1
Input Voltage	230 Volts (AC)
Current Rating	16 A
Maximum Power	3.5 kW
Adjustable Current	8A / 10A / 13A / 16A
Cable Length	5 meters
Connector Type	Type 1 (SAE J1772) with Type 2 (IEC 62196) adapter
Power Plug	Schuko
IP Rating	IP66
Product Dimensions (D x W x H)	40P x 38l x 9H centimeters
Country of Origin	China

10. Warranty

The GUWIEYG Type 1 EV Charger comes with a**1-Year Warranty Against Manufacturer Defects** from the date of

purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation.
Please retain your proof of purchase for warranty claims.

11. Support

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact GUWIEYG customer support through the retailer where the product was purchased or visit the official GUWIEYG website for contact information.

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