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> EVIQO Level 2 EV Charger - 48 Amp EV Charger Level 2-240V Electric Vehicle Charging Stations - Smart Wall EV Chargers for Home Level 2 - NEMA 14-50/Hardwired - 11.5kW EVSE J1772, Energy Star/UL 14-50 NEMA PLUG-IN, J1772

EVIQO EVIPOWER

EVIQO Level 2 EV Charger Instruction Manual

Model: EVIPOWER

1. INTRODUCTION AND OVERVIEW

Thank you for choosing the EVIQO Level 2 EV Charger. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your EVIPOWER charging station. This charger is designed to provide fast and reliable charging for your electric vehicle at home.

The EVIQO Level 2 EV Charger offers up to 48 Amp (11.5 kW) charging capability, significantly reducing charging times compared to standard Level 1 chargers. It features smart app integration for scheduling and monitoring, and is built to meet rigorous safety and durability standards.



Image: The EVIQO Level 2 EV Charger, showcasing the main unit, NEMA 14-50 plug, and J1772 charging connector, along with the 37-inch input cable and 25-foot output cable.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Qualified Electrician:** For hardwired installations or any electrical work beyond simple plug-in, consult a qualified electrician.
- **Circuit Requirements:** Ensure your electrical circuit meets the charger's requirements (NEMA 14-50 outlet for 40A default, 50A circuit; 60A circuit or more for 48A hardwired).
- **Environmental Protection:** The charger is designed for both indoor and outdoor use, meeting NEMA 4 and IP66 protection standards for weather resistance.
- **Cable Management:** Avoid kinking, crushing, or damaging the charging cable. Do not operate the charger if the cable or connector is damaged.
- **Emergency Stop:** Know the location of your circuit breaker and how to shut off power in an emergency.
- **Battery Protection:** The charger includes overheat, overvoltage, short circuit protection, and 7+ additional protections. It is recommended to keep your EV battery charged between 20-80% for optimal longevity.



Image: The EVIQQO EV Charger displaying its Energy Star, ETL, and FCC certifications, indicating compliance with USA safety and energy efficiency standards. It also highlights NEMA 4 and IP66 protection standards.

3. WHAT'S IN THE BOX

Upon opening your EVIQQO Level 2 EV Charger package, please verify that all the following components are included:

- Level 2 EV Charger unit with 25' output cable and 37" input cable with NEMA 14-50 plug
- Holster for the charging connector
- 2x Mounting Templates (one for the EV charger, one for the holster)
- 2x Wall-Mounted Brackets (one for the EV charger, one for the holster)
- Mounting Set (Expansion, Drywall, and Anti-Theft Screws, plus additional spare screws)
- Allen Wrench
- Installation Guide (this document)

4. SETUP AND INSTALLATION

The EVIQQ EV Charger offers flexible installation options: plug-in (NEMA 14-50) or hardwired. The default setting is 40 Amp (9.6 kWh) for plug-in use. For 48 Amp (11.5 kWh) operation, hardwiring is required, which involves removing the input cable and preparing a custom whip, requiring a 60A or more circuit.

4.1 Pre-Installation Considerations

- **Location:** Choose a location near a NEMA 14-50 outlet for plug-in connection, or a suitable electrical panel for hardwiring. Ensure the charging cable can reach your vehicle's charging port.
- **Electrical Requirements:** Verify your electrical system can support the charger's load. For 40A (plug-in), a 50A dedicated circuit is needed. For 48A (hardwired), a 60A or higher dedicated circuit is required.
- **Amperage Adjustment:** The charger's current intensity can be adjusted via the EVIQQ app and a hardware dip switch. This allows you to match the charger's output to your circuit's capacity.

The infographic is a vertical collage of images and text boxes. At the top left, a NEMA 14-50 outlet is shown. To its right, a text box states: **MANDATORY REQUIREMENT:** NEMA 14-50 Outlet (Plug-In), 50A Circuit required, Up to 38 mph (40A). To the right of that, another text box says: **WORKS WITH:** 15A, 20A, 30A, 40A, 50A Circuits, Charging speed will adjust based on amperage. Below the outlet image, a circular icon of a hardwired connection is shown next to a text box: **CAN BE HARDWIRED:** 60A Circuit required, Up to 46 mph (48A). To the right of this, a photo shows the EVIQQ charger unit mounted on a wall. At the bottom, a large '9X' graphic is followed by the text: **Faster Than Level 1 Wake Up Fully Charged!**

Image: Illustration of the EVIQQ EV Charger's mandatory NEMA 14-50 outlet requirement for plug-in use (50A circuit for 40A output) and the option for hardwiring (60A circuit for 48A output).

4.2 Mounting the Charger

The charger is designed for a straightforward mounting process:

1. **Mark Holes:** Use the provided mounting template to mark the drilling locations on your wall.
2. **Drive Screws:** Install the wall-mounted bracket using the appropriate screws from the mounting set (expansion, drywall, or anti-theft).
3. **Mount EV Charger:** Securely attach the EVIQQ EV Charger unit to the installed bracket.



Image: Visual guide demonstrating the three main steps for installing the EVIQUO EV Charger: marking drill holes, driving screws for the mounting bracket, and finally mounting the EV charger unit.

5. OPERATING INSTRUCTIONS

5.1 Plug & Charge

The EVIQUO EV Charger supports simple plug-and-charge functionality. Once installed and powered, simply plug the J1772 connector into your vehicle's charging port, and charging will begin automatically without any prior configuration.



Image: A person plugging the EVIQUO EV charger into an electric vehicle, illustrating the simple plug-and-charge operation for automatic charging.

5.2 Smart App Features

Enhance your charging experience with the EVIQQO mobile application. The app allows for advanced control and monitoring of your charging sessions.

- **Scheduling:** Set up to three charging schedules to take advantage of off-peak electricity rates and save on costs.
- **Real-time Tracking:** Monitor power consumption, current amperage, and estimated costs live during charging sessions.
- **Charging History:** Review past charging sessions, including duration, energy delivered (kWh), and total costs.
- **Amperage Adjustment:** Fine-tune the charging current in 1A increments directly from the app.
- **OTA Updates:** The charger's firmware is consistently enhanced with remote Over-The-Air (OTA) updates, ensuring optimal performance and new features.

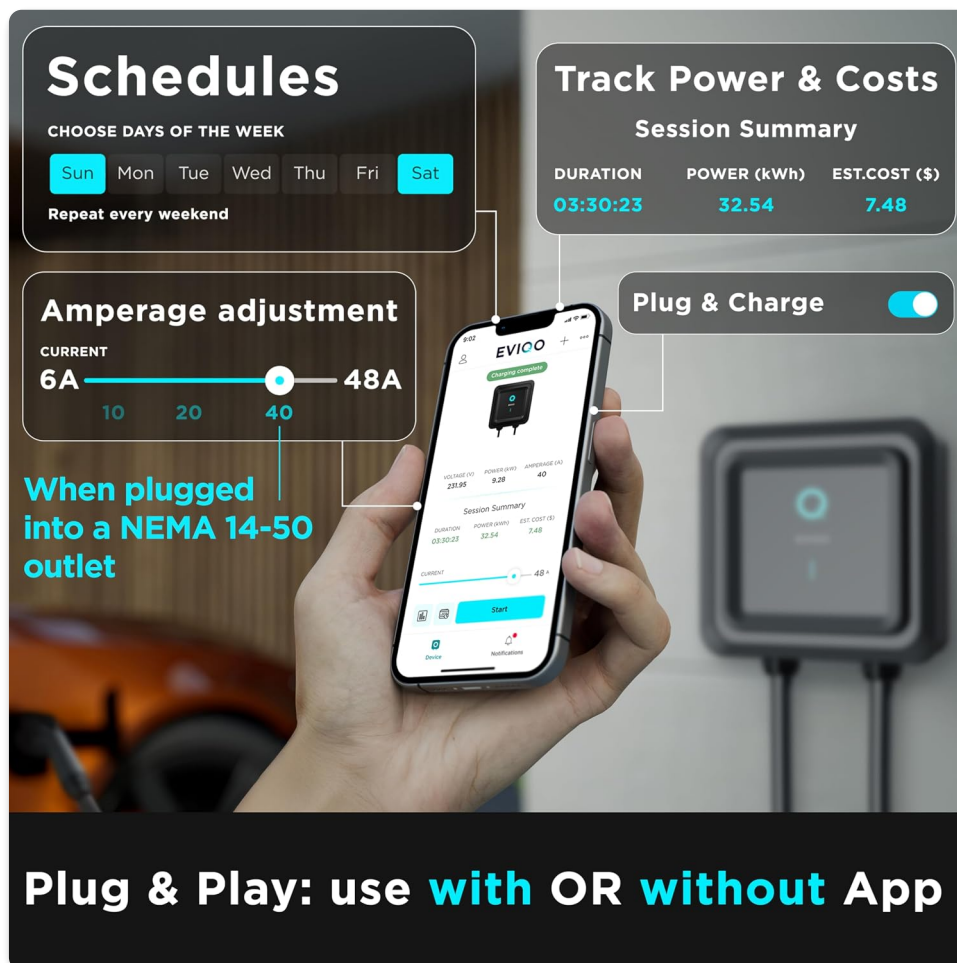


Image: The EVIQQO mobile application interface, demonstrating features such as setting charging schedules, tracking power and estimated costs, and adjusting amperage settings for flexible charging.

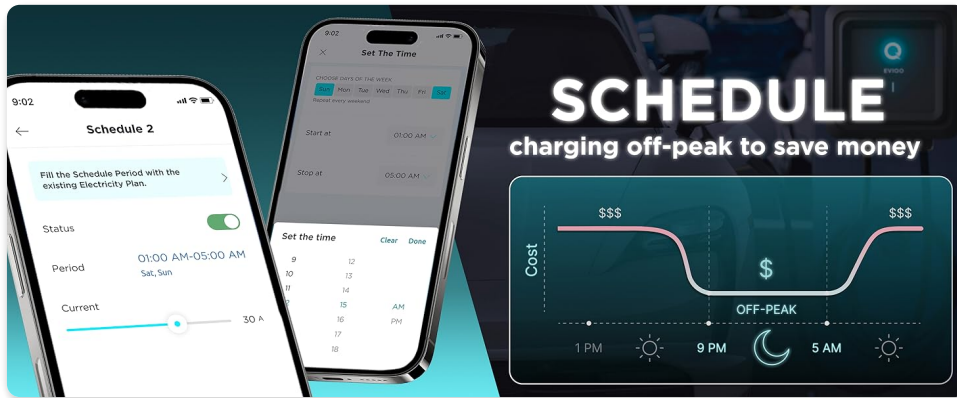


Image: A close-up of the EVIQUO app displaying real-time charging data, including voltage, power (kW), amperage, and estimated cost, providing comprehensive session details.

5.3 Vehicle Compatibility

The EVIQUO EV Charger is equipped with a heavy-duty rubberized SAE J1772 connector, making it compatible with virtually all Electric Vehicles (EVs) and Plug-in Hybrid Electric Vehicles (PHEVs) in North America. This includes models from Tesla (requires adapter), Chevy Bolt, Chevy Volt, VW ID 4, Nissan Leaf, Polestar 2, Ford Mach E, IONIQ 5/6, Kia Niro, EV6, EV9, Mercedes EQS, Audi, Rav4, Jeep 4xe, and many more.



Image: The J1772 connector of the EVIQUO charger, highlighting its metal clasp and fully rubberized design, and its broad compatibility with major EV and PHEV brands in North America.

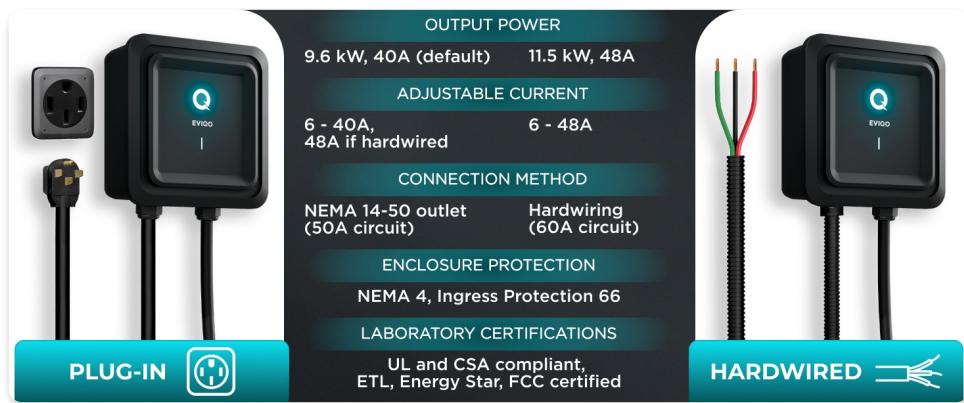


Image: A visual reminder that an additional NACS adapter is required for compatibility with all Tesla and NACS port cars, as the adapter is not included with the charger.

6. MAINTENANCE

The EVIQUO EV Charger is designed for durability and minimal maintenance. Follow these guidelines to ensure its longevity:

- **Regular Cleaning:** Wipe the exterior of the charger and the cable with a soft, damp cloth to remove dust and dirt. Do not use harsh chemicals or abrasive cleaners.
- **Cable Inspection:** Periodically inspect the charging cable and connector for any signs of wear, cuts, or damage. If any damage is found, discontinue use and contact customer support.
- **Connector Care:** Keep the J1772 connector clean and free of debris. Store it in the provided holster when not in use to protect it from elements.
- **Weather Protection:** While the unit is weatherproof (NEMA 4 and IP66), extreme weather conditions may warrant additional protection or sheltered installation.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Charger not powering on	No power from outlet/circuit breaker tripped.	Check the circuit breaker. Ensure the NEMA 14-50 plug is fully inserted or hardwired connection is secure.
Charging not starting	Vehicle not properly connected; vehicle charging settings; charger fault.	Ensure the J1772 connector is fully inserted into the vehicle's port. Check vehicle's charging schedule or settings. Restart the charger by unplugging/replugging or cycling the circuit breaker.

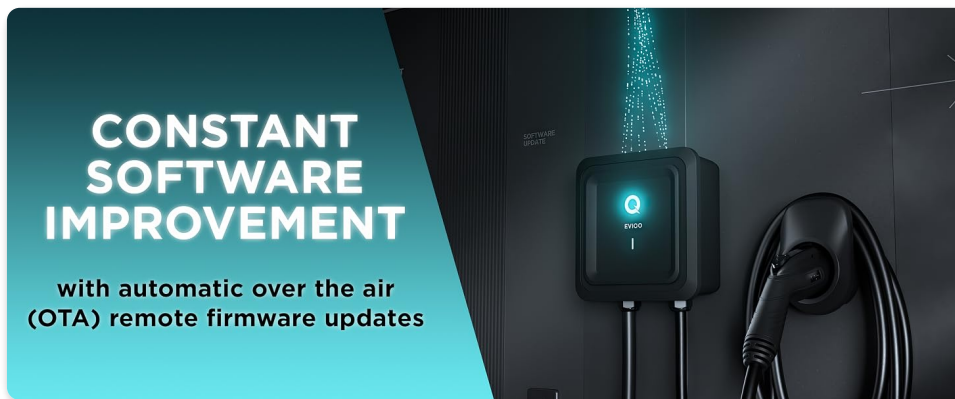
Problem	Possible Cause	Solution
Slow charging speed	Amperage setting is too low; vehicle limitation; electrical issue.	Adjust amperage setting via the EVIQQO app or hardware dip switch. Verify your vehicle can accept higher charge rates. Consult an electrician if electrical supply is suspected.
App connectivity issues	Wi-Fi signal weak; app not updated; charger not connected to Wi-Fi.	Ensure charger is within Wi-Fi range. Update the EVIQQO app to the latest version. Reconnect the charger to your Wi-Fi network via the app's setup process.
Overheat protection activated	High ambient temperature; poor ventilation; internal fault.	Ensure adequate ventilation around the charger. Allow the unit to cool down. If the problem persists, contact support.

If the problem persists after attempting these solutions, please contact EVIQQO customer support for further assistance.

8. SPECIFICATIONS

Below are the technical specifications for the EVIQQO Level 2 EV Charger (Model EVIPOWER):

Feature	Detail
Model Number	EVIPOWER
Output Voltage	240 Volts
Output Power (Default)	9.6 kW (40A) with NEMA 14-50 plug
Output Power (Hardwired)	11.5 kW (48A)
Adjustable Current	6 - 40A (plug-in), 6 - 48A (hardwired)
Connection Method	NEMA 14-50 outlet (50A circuit) or Hardwiring (60A circuit)
Connector Type	SAE J1772
Output Cable Length	25 feet
Input Cable Length	37 inches (NEMA 14-50 plug)
Product Dimensions	9.45"W x 9.45"H x 4"D
Item Weight	21.3 pounds (9.68 Kilograms)
Enclosure Protection	NEMA 4, Ingress Protection 66 (IP66)
Certifications	UL compliant, Energy Star, ETL, FCC certified



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SOFTWARE
IMPROVEMENT**
with automatic over the air
(OTA) remote firmware updates

Image: A detailed comparison table illustrating the differences in output power, adjustable current, connection method, enclosure protection, and laboratory certifications for both plug-in and hardwired configurations of the EVIQUO EV Charger.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The EVIQUO Level 2 EV Charger comes with a **3-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact EVIQUO customer support:

- **Email:** support@eviqo.io
- **Phone (USA):** +16504570099
- **Operating Hours:** Monday - Saturday, 8 AM - 4 PM PT

EVIQUO is committed to providing live support by real engineers to ensure your satisfaction.



Image: EVIQUO customer support details, including email and phone number, for assistance with product inquiries or setup.

