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› [EVIQO](#) /

› EVIQO EVIPOWER-1 Level 2 EV Charger Instruction Manual

EVIQO EVIPOWER-1

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Model: EVIPOWER-1

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your EVIQO EVIPOWER-1 Level 2 EV Charger. This smart charging station is designed to provide fast and reliable charging for electric vehicles (EVs) and plug-in hybrid electric vehicles (PHEVs). Key features include a 48 Amp maximum charging capability (when hardwired), NEMA 14-50 plug compatibility, a 25-foot J1772 cable, and enhanced Wi-Fi for smart control via a mobile application. The unit is UL, Energy Star, ETL, and FCC certified, ensuring safety and quality.



Image 1.1: EVIQUO EVIPOWER-1 Level 2 EV Charger with its components and app interface.

2. SAFETY INFORMATION

Before installing or using the EVIQUO EVIPOWER-1 charger, read and understand all safety instructions. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Professional Installation:** Installation should be performed by a qualified electrician in accordance with all local and national electrical codes.
- **Electrical Safety:** Always disconnect power at the circuit breaker before performing any installation or maintenance.
- **Outdoor Use:** The charger is NEMA 4 and IP66 rated, making it suitable for both indoor and outdoor installation. However, ensure proper mounting and protection from direct impact.
- **Cable Handling:** Do not use the charging cable if it is frayed, has broken insulation, or any other signs of damage.
- **Emergency Stop:** Familiarize yourself with the location of your electrical panel's circuit breaker for emergency power disconnection.

SAFE. CERTIFIED IN USA



NEMA 4 AND IP66 STANDARDS

Image 2.1: The EVIQO EV Charger is certified by UL, Energy Star, ETL, and FCC for safety and efficiency.

3. WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

- GEN1 J1772 version, Level 2 EV Charger (25' output cable, 37" input cable, NEMA 14-50 plug)
- Holster
- x2 Mounting Templates + x2 Wall-Mounted Brackets (for charger & holster)
- Mounting Set (Expansion, Drywall, Anti-Theft screws + Spare Screws), 2x Pin Terminal Connectors, Allen Wrench
- Installation Guide

4. SETUP

4.1. Mounting the Charger

Use the provided mounting templates and wall-mounted brackets to securely attach the charger and its holster to a suitable surface. Ensure the mounting location is within reach of your NEMA 14-50 outlet and

your vehicle's charging port.



MANDATORY REQUIREMENT:
NEMA 14-50 Outlet (Plug-In)
50A Circuit required
Up to 38 mph (40A)

Works With 50A Circuits ONLY

8X Faster Than Level 1
Wake Up Fully Charged!

Image 4.1: The EVIQQO EV Charger installed on a wall, ready for use with a NEMA 14-50 outlet.

4.2. Electrical Connection

The EVIPOWER-1 comes with a 37-inch input cable and a NEMA 14-50 plug for easy plug-in installation. Connect the charger to a dedicated 240V NEMA 14-50 outlet. For hardwired installations or specific amperage requirements, consult a qualified electrician.

4.3. Amperage Adjustment (Internal Dip Switch)

The EVIQQO EVIPOWER-1 charger features an internal rotary dip switch to set the maximum charging current. This is a physical setting that requires opening the unit. By default, the switch is set to 40 Amps. If your circuit breaker is rated for 40 Amps, you should adjust the charger to 32 Amps (80% of the circuit breaker rating). For hardwired installations on a 60 Amp circuit, the charger can be set to 48 Amps.

To adjust the dip switch:

1. **Disconnect Power:** Ensure the charger is completely disconnected from the power source.
2. **Open the Unit:** Carefully remove the seven screws located on the back of the unit to access the internal components. These screws ensure the weather seal.
3. **Locate Dip Switch:** The control board is on the back of the front cover. On the upper left-hand side of

the control board, you will find a small rotary dip switch.

4. **Adjust Setting:** Use a small screwdriver to turn the dip switch to the desired amperage setting. Refer to the table below for common settings:

Dip Switch Position	Amperage Setting	Recommended Circuit Breaker
0	16 A	20 A
1	32 A	40 A
2 (Default)	40 A	50 A
3	48 A	60 A (Hardwired only)

Important: Always ensure the charger's amperage setting does not exceed 80% of your circuit breaker's rating for continuous loads.

For a visual guide on adjusting the dip switch, please refer to the video below:

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Video 4.1: Demonstration of adjusting the internal dip switch for amperage settings.

4.4. App Setup and Wi-Fi Connection

Download the EVIQQO mobile application from your device's app store. Follow the in-app instructions to connect your charger to your home Wi-Fi network and complete the initial setup. The app allows for remote control and monitoring of charging sessions.

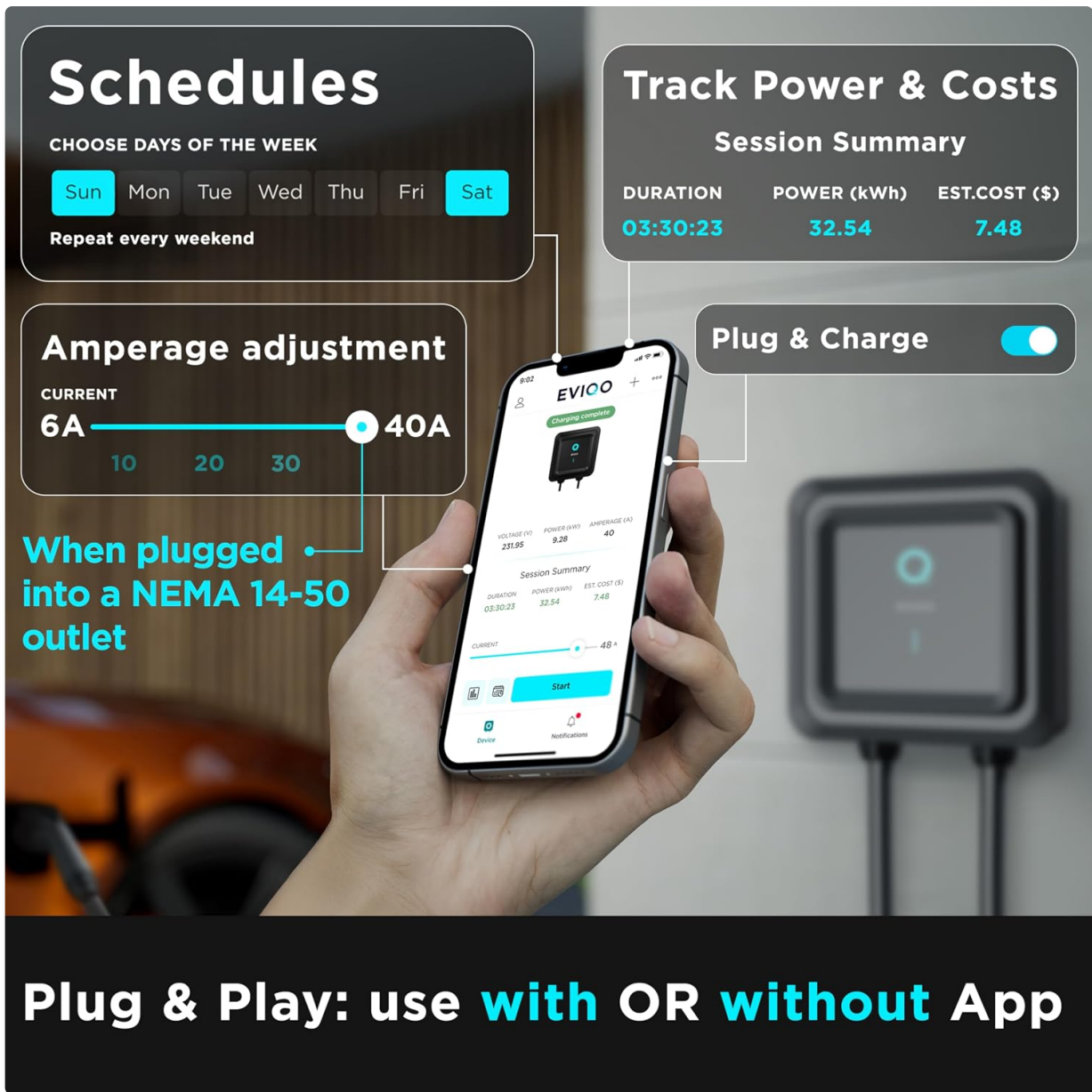


Image 4.2: The EVIQUO app provides options for scheduling, amperage adjustment, and direct plug-and-charge functionality.

5. OPERATING INSTRUCTIONS

5.1. Connecting to Your Electric Vehicle

The EVIQUO EVIPOWER-1 is equipped with a heavy-duty rubberized SAE J1772 connector, compatible with most EVs and PHEVs in North America. For Tesla models, a J1772 to NACS adapter (not included) is required.

1. Ensure your vehicle is parked and turned off.
2. Remove the J1772 connector from its holster.
3. Insert the J1772 connector firmly into your vehicle's charging port until it clicks into place.



Image 5.1: The robust J1772 connector features a rubberized grip and a durable metal clasp.

5.2. Initiating a Charge Session

Once connected, the charger will typically begin charging automatically (Plug & Charge mode). You can also manage charging through the EVIQUO app:

- **Plug & Charge:** Simply plug in the connector, and charging will start based on the default settings or the last active schedule.
- **Scheduled Charging:** Use the EVIQUO app to set up to three charging schedules, allowing you to charge during off-peak electricity rates.
- **Delayed Start:** The app also supports delayed start functions for convenience.

5.3. Monitoring Charging Progress

The EVIQUO app provides real-time data on your charging session, including voltage, power (kW), amperage, duration, energy consumed (kWh), and estimated cost. You can also review your charging history and costs over time.

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Video 5.2: An overview of the EVIQUO Level 2 EV Charger's features and smart app integration.

6. MAINTENANCE

The EVIQQ EVIPOWER-1 charger is designed for durability and minimal maintenance. Its NEMA 4 and IP66 ratings ensure protection against dust, rain, and harsh weather conditions.

- **Regular Cleaning:** Periodically wipe the charger unit and cable with a damp cloth to remove dust and dirt. Do not use abrasive cleaners or solvents.
- **Cable Inspection:** Regularly inspect the charging cable and connector for any signs of wear, cuts, or damage. If damage is found, discontinue use and contact customer support.
- **Software Updates:** The charger supports over-the-air (OTA) software updates, ensuring continuous improvements and new features. Keep your app and charger firmware updated for optimal performance.

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Video 6.1: A demonstration of the charger's durability and weather resistance.

7. TROUBLESHOOTING

If you encounter issues with your EVIQQ EVIPOWER-1 charger, refer to the following common troubleshooting steps:

- **Charger Not Powering On:** Check the circuit breaker in your electrical panel. Ensure the NEMA 14-50 plug is fully inserted into the outlet.
- **Charging Not Initiating:** Verify that the J1772 connector is securely plugged into your vehicle. Check the EVIQQ app for any active schedules or delayed start settings that might prevent immediate charging.
- **Slow Charging:** Confirm the amperage setting on the internal dip switch (Section 4.3) is appropriate for your circuit. Check the app to ensure the current limit hasn't been manually reduced.
- **Wi-Fi Connectivity Issues:** Ensure your home Wi-Fi network is active and the charger is within range. Restart your router and the charger if necessary. Re-attempt the app setup process.
- **Error Lights/Indicators:** Consult the charger's LED indicator guide (refer to the included Installation Guide) for specific error codes and their meanings.

If problems persist, contact EVIQQ customer support for assistance.

8. SPECIFICATIONS

Feature	Specification
Brand	EVIQQ
Model	EVIPOWER-1
Input Voltage	240 Volts
Output Voltage	240 Volts (DC)
Amperage	48 Amps (Max)
Product Dimensions	4"D x 9.45"W x 9.45"H

Feature	Specification
Item Weight	19.96 pounds
Output Cable Length	25 feet
Input Cable Length	37 inches
Connector Type	J1772
Plug Type	NEMA 14-50
Enclosure Protection	NEMA 4, IP66
Certifications	UL, Energy Star, ETL, FCC

9. WARRANTY AND SUPPORT

The EVIQO EVIPOWER-1 Level 2 EV Charger comes with a 3-year Extended Manufacturer Warranty. For warranty claims, technical support, or any questions regarding your charger, please refer to the contact information provided in your included Installation Guide or visit the official EVIQO website.