

Lectron EVCharge14-50-32ACA

Lectron NEMA 14-50 Level 2 EV Charger User Manual

Model: EVCharge14-50-32ACA

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Lectron NEMA 14-50 Level 2 EV Charger. Please read all instructions carefully before use and retain this manual for future reference.

SAFETY INFORMATION

Always follow basic safety precautions when using electrical products to reduce the risk of fire, electric shock, and personal injury. This charger is designed for use with J1772 compatible electric vehicles. Ensure the NEMA 14-50 outlet is properly installed and grounded by a qualified electrician.

- Do not use the charger if the cable or connector is damaged.
- Do not immerse the charger in water or other liquids.
- Keep children away from the charging area.
- Ensure proper ventilation during charging.
- The charger is IP66-rated for indoor or outdoor use, providing protection against dust and water jets.



Figure 1: Maximum Protection Features. The charger includes protection against leakage, overcharge, and undervoltage, ensuring safe operation.

SETUP

The Lectron NEMA 14-50 Level 2 EV Charger is designed for easy setup. It requires a 240V NEMA 14-50 outlet.

1. **Locate a Suitable Outlet:** Ensure you have a dedicated 240V NEMA 14-50 outlet installed. This outlet should be on a circuit capable of handling 32 Amps continuously.
2. **Plug in the Charger:** Insert the NEMA 14-50 plug of the charger into the wall outlet.
3. **Position the Charger:** The charger features a 21-foot cable, providing flexibility in positioning the charging unit and reaching your vehicle.



Nema 14-50 plug



32 Amp of power



Figure 2: NEMA 14-50 Plug and 32 Amp Power. The charger connects to a standard NEMA 14-50 outlet and delivers 32 Amps for Level 2 charging.



Figure 3: 21-Foot Long Cable. The extended cable provides ample reach for convenient charging in various garage or driveway configurations.



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Figure 4: Home Charging Setup. The Lectron charger provides efficient Level 2 charging for your electric vehicle at home.

OPERATING INSTRUCTIONS

The Lectron EV Charger is designed for straightforward operation.

1. **Connect to Vehicle:** Open your electric vehicle's charging port and firmly insert the J1772 connector from the Lectron charger. Ensure it clicks into place.
2. **Monitor Status:** The charger features LED indicator lights and an LCD screen to display charging status, voltage, current, and kWhs.
3. **Start/Stop Charging:** Charging typically begins automatically once connected. Refer to your vehicle's manual for specific charging initiation procedures. To stop charging, disconnect the J1772 connector from your vehicle.



Only for J1772 vehicle owners

Figure 5: Connecting to a J1772 Vehicle. The charger is compatible with all J1772 electric vehicles.

Compatible with all EV & Plug-in Hybrid Vehicles

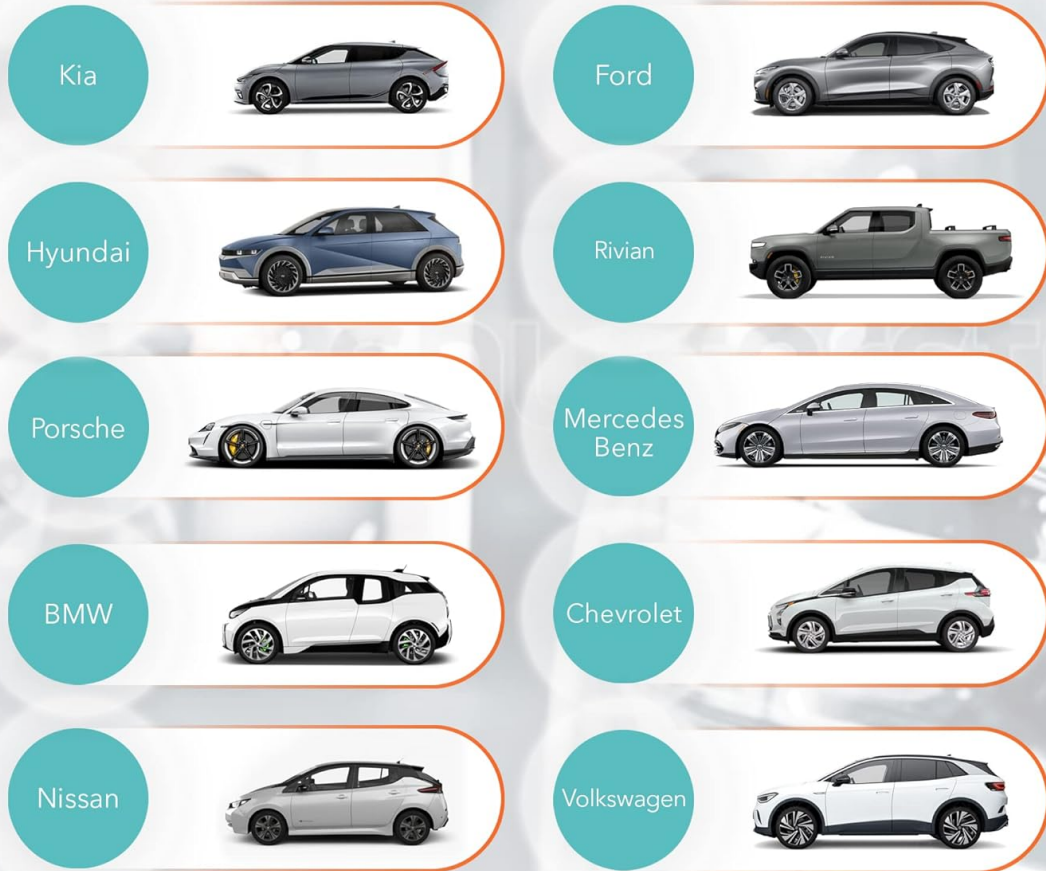


Figure 6: Universal Compatibility. This charger works with a wide range of electric and plug-in hybrid vehicles.

Charge up to 25 miles per hour



Figure 7: Charging Speed. The charger can provide up to 25 miles of range per hour of charging, depending on the vehicle.

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Video 1: Lectron NEMA Charger with 21 ft Extension Cord. This video demonstrates the features and use of the Lectron NEMA 14-50 Level 2 EV Charger, highlighting its 21-foot extension cord and J1772 cable.

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Video 2: Lectron 32A EV Charger. This video provides an overview of the Lectron 32 Amp EV Charger, showcasing its design and functionality.

MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your Lectron EV Charger.

- **Cleaning:** Regularly wipe the charger unit and cables with a dry or slightly damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, coil the cable neatly and store the charger in a dry, protected area. Avoid leaving the cable tangled or exposed to extreme weather conditions for prolonged periods.
- **Inspection:** Periodically inspect the cable, plug, and connector for any signs of wear, damage, or corrosion. If any damage is found, discontinue use and contact customer support.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Charger not powering on	No power from outlet; faulty connection	Check the NEMA 14-50 outlet and circuit breaker. Ensure the plug is fully inserted.
Vehicle not charging	J1772 connector not fully engaged; vehicle charging settings; charger fault	Ensure the J1772 connector is securely plugged into the vehicle. Check vehicle's charging schedule or settings. Observe charger's LED indicators for fault signals.
Fault indicator light is on	Internal error; ground fault; overcurrent/overvoltage	Unplug the charger from the wall and the vehicle, wait 5 minutes, then reconnect. If the fault persists, contact customer support.
Slow charging speed	Vehicle limitations; power supply issues	Verify your vehicle's maximum AC charging rate. Ensure the NEMA 14-50 outlet is providing stable 240V power.

SPECIFICATIONS

Feature	Detail
Brand	Lectron
Model Number	EVCharge14-50-32ACA
Connector Type	J1772
Input Voltage	240 Volts
Amperage	32 Amps
Output Current	32 Amps
Cable Length	21 feet (240 inches)
Power Plug	NEMA 14-50
Special Feature	Fast Charging
Mounting Type	Wall Mount
IP Rating	IP66

WARRANTY AND SUPPORT

Lectron provides a **1-year warranty** for this product. If you experience any issues or have questions regarding your Lectron NEMA 14-50 Level 2 EV Charger, please contact Lectron customer support for assistance. For warranty claims or technical support, refer to the contact information provided on the official Lectron website or your product packaging.

