Raylix Raylix J1772 32A EV charger

Raylix 32A Level 2 EV Charger Instruction Manual

Model: Raylix J1772 32A EV charger

1. Introduction

Thank you for choosing the Raylix 32A Level 2 EV Charger. This portable electric vehicle charger is designed to provide efficient and safe charging for your electric vehicle. Please read this manual thoroughly before using the product to ensure proper operation and to maximize its lifespan.

2. Safety Information

Important Notice:

- The Raylix 32A Level 2 EV Charger requires a dedicated 240V/40A circuit and a 4-prong NEMA 14-50 outlet (North American electrical code compliant).
- This charger ONLY works with NEMA 14-50 outlets. It is NOT compatible with 10-30, 14-30, or 6-50 outlets. Please verify your outlet type before use.

Your safety is our priority. The Raylix portable charger features multiple protections to ensure safe charging every time:

- Overvoltage Protection
- Overcurrent Protection
- Overheating Protection
- Leakage Protection
- Grounding Protection
- Undervoltage Protection
- Overcharge Protection

The charger is rigorously tested and certified by FCC and CE, meeting high safety standards. It also features IP66 water and dust resistance and a UL94V-0 fire rating for durability and peace of mind.



Image: Raylix EV Charger highlighting its 10 intelligent safety protection features, including IP65 waterproof rating, leakage, overcurrent, overvoltage, overheat, grounding, undervoltage, and overcharge protection.

3. Package Contents

Upon unboxing your Raylix 32A Level 2 EV Charger, please ensure all the following items are present:

- 1 x Raylix 32A Level 2 EV Charger with 21ft cable
- 1 x Convenient holder for wall mounting
- User Manual

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Video: An overview of the ApexCharger Mach 3, demonstrating its portability, inclusion of a standard household adapter, wall mount, and Tesla adapter. This video provides a visual guide to the product's components and ease of use.

4. Product Features

The Raylix 32A Level 2 EV Charger is equipped with features designed for convenience, efficiency, and safety:

- **User-Friendly Display:** A built-in display allows easy monitoring of charging status and current settings without needing a separate app.
- **Fast Charging:** Delivers 34-39 miles of range per hour with a NEMA 14-50 plug (240V, 32A), up to 2 times faster than standard 16A chargers.
- **Adjustable Current:** Offers flexible current settings (8A/10A/12A/16A/20A/24A/32A) to match your specific charging needs.
- **Delayed Charging:** Schedule your charging start time to take advantage of off-peak electricity rates.
- **Universal Compatibility:** Compatible with all electric vehicles and plug-in hybrids using the SAE J1772 connector. For Tesla vehicles, a J1772 to Tesla adapter (sold separately) is required.
- **Easy Installation & Portability:** Plug-and-play design with no complicated installation. Lightweight, compact, and includes a 21ft cable for versatile use at home, work, or travel. Comes with a convenient holder.



Image: The Raylix EV Charger's control unit with its user-friendly digital display, showing real-time charging information and control buttons for adjusting settings.

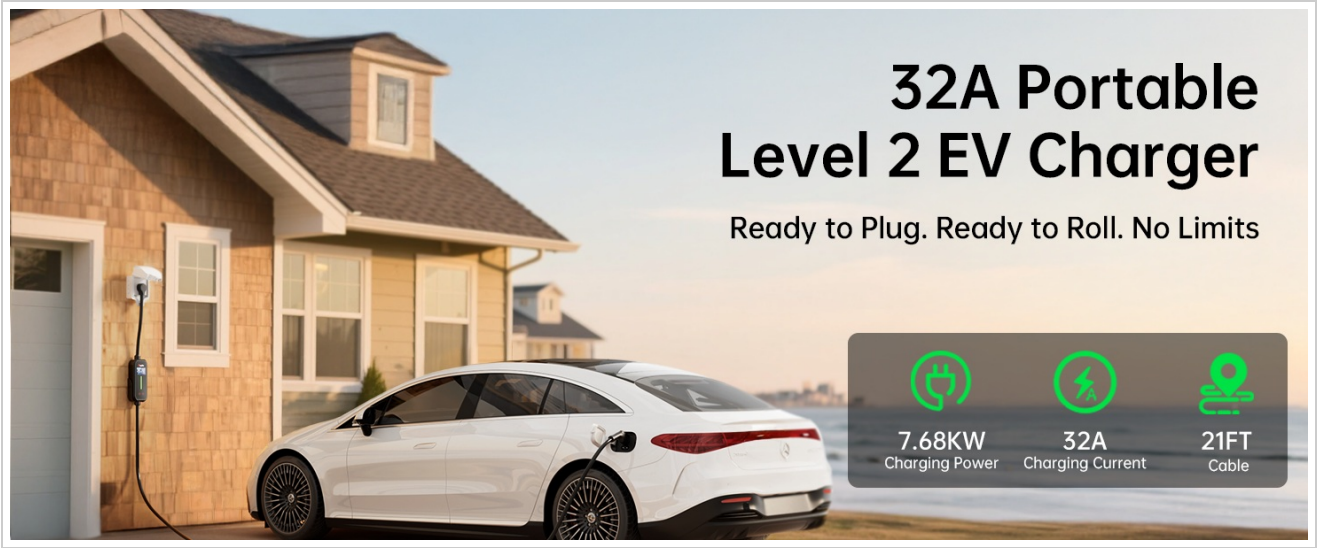


Image: A chart illustrating the miles of range gained per 2 hours at various amperage settings, demonstrating the efficiency of adjustable current.

5. Setup and Installation

The Raylix EV Charger is designed for simple plug-and-play installation:

1. Ensure you have a dedicated 240V/40A circuit and a NEMA 14-50 outlet.
2. Plug the NEMA 14-50 plug of the charger into your 240V outlet.
3. Mount the charger control box using the provided holder in a convenient location.
4. Connect the J1772 charging connector to your electric vehicle's charging port.



Image: The Raylix EV Charger connected to a NEMA 14-50 outlet and an electric vehicle, illustrating the simple plug-and-play setup.

6. Operating Instructions

Using your Raylix EV Charger is straightforward:

6.1 Basic Charging

1. Plug the charger into the NEMA 14-50 outlet.

2. Connect the J1772 plug to your vehicle's charging port.
3. The charger's display will show the current charging status.

6.2 Adjusting Current

The charger allows you to adjust the charging current to suit your needs:

- Press the 'A' button on the control box to cycle through available amperage settings (8A/10A/12A/16A/20A/24A/32A).
- Select the desired current. The display will update to reflect your choice.

6.3 Delayed Charging

To take advantage of off-peak electricity rates, use the delayed charging feature:

- Press the 'Clock' button on the control box to set the desired delay time (1-12 hours).
- The charger will begin charging automatically after the set delay.

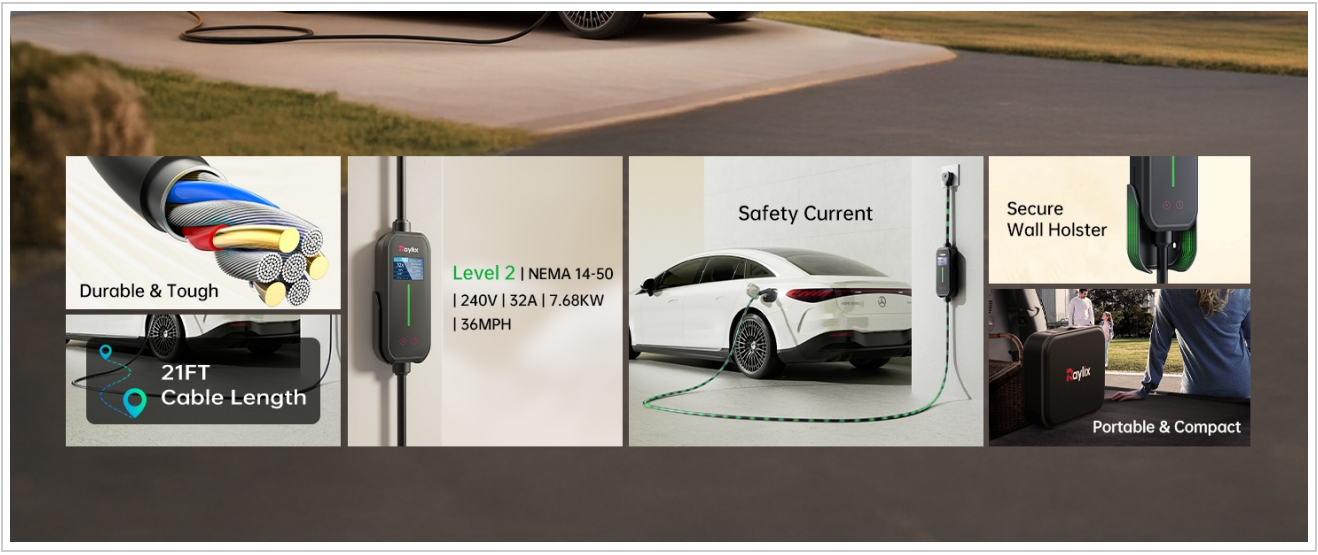


Image: A visual representation of peak and off-peak electricity rates, demonstrating how the adjustable time feature can lead to cost savings through nighttime charging.

7. Compatibility

The Raylix EV Charger offers broad compatibility:

- **Universal J1772:** Compatible with all electric vehicles and plug-in hybrids that use the SAE J1772 connector, including popular brands like GM, Nissan, Audi, Kia, Honda, BMW, Hyundai, and more.
- **Tesla Vehicles:** For Tesla vehicles, a J1772 to Tesla adapter is required (sold separately).

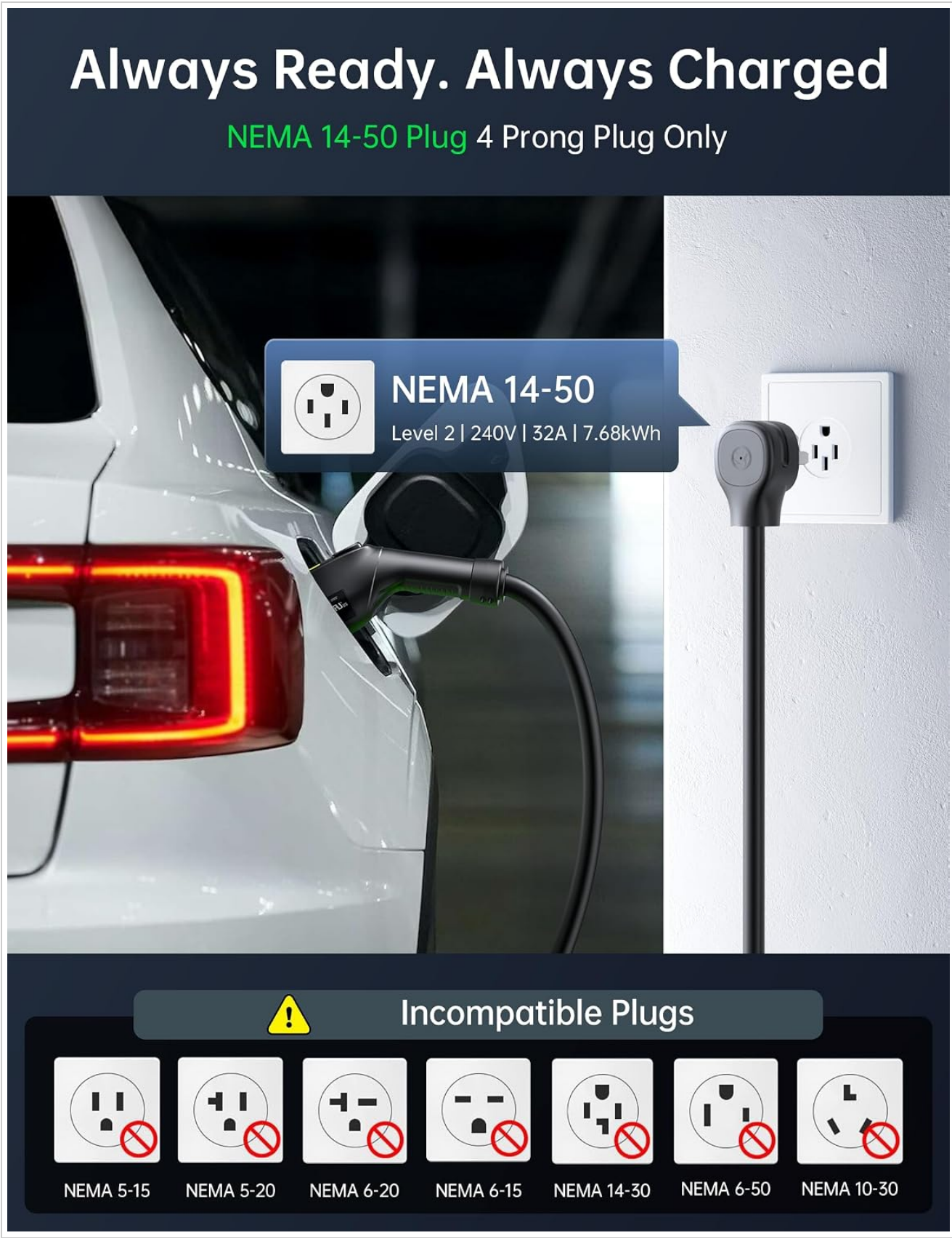


Image: A visual guide to the universal compatibility of the Raylix EV Charger with various electric vehicle brands, noting the requirement for a Tesla adapter.

8. Maintenance

To ensure the longevity and optimal performance of your Raylix EV Charger, follow these maintenance guidelines:

- Keep the charging cable and connector clean and free from dust or debris.
- Avoid bending or kinking the cable excessively.

- Store the charger in a dry, cool place when not in use.
- Regularly inspect the cable and connectors for any signs of damage. Do not use if damaged.

9. Troubleshooting

If you encounter any issues with your Raylix EV Charger, please refer to the following common troubleshooting tips:

- **Charger not powering on:** Ensure the NEMA 14-50 plug is fully inserted into a live 240V outlet. Check your circuit breaker.
- **Vehicle not charging:** Ensure the J1772 connector is securely plugged into the vehicle's charging port. Check the vehicle's charging settings.
- **Slow charging:** Verify the selected amperage setting on the charger's display. Ensure your vehicle is capable of faster charging.
- **Error message on display:** Refer to the specific error code in the full user manual (if available) or contact customer support.

For further assistance, please contact Raylix customer support.

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Video: A step-by-step guide on connecting an EV charger to a mobile application, which can be useful for advanced settings, monitoring, and troubleshooting.

10. Specifications

Specification	Value
Brand	Raylix
Model	Raylix J1772 32A EV charger
Amperage	32 Amps (Adjustable: 8A/10A/12A/16A/20A/24A/32A)
Input Voltage	240 Volts
Charging Power	7.68 kW
Cable Length	21 ft
Connector Type	SAE J1772
Plug Type	NEMA 14-50 (4-prong)
Safety Certifications	FCC, CE
Water & Dust Resistance	IP66
Fire Rating	UL94V-0

11. Warranty and Support

Raylix stands by the quality of its product with a**2-year warranty**. In case of any issues, returns or replacements are available if needed.
For any questions or concerns, our dedicated customer support team is available**24/7** and committed to providing solutions within 12 hours. Please reach out to us for assistance before or after your purchase.