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feyree Hero EV-H8 (40A)

feyree 40A Level 2 EV Charger User Manual

Model: Hero EV-H8 (40A)

1. INTRODUCTION

Thank you for choosing the feyree 40A Level 2 EV Charger. This portable electric vehicle charger is designed to provide efficient and reliable charging for your electric vehicle at home or on the go. Featuring a NEMA 14-50P plug, SAE J1772 compatibility, WiFi connectivity, an intuitive LCD display, and smart app control, this charger offers convenience and flexibility. Please read this manual thoroughly before operation to ensure safe and optimal performance.



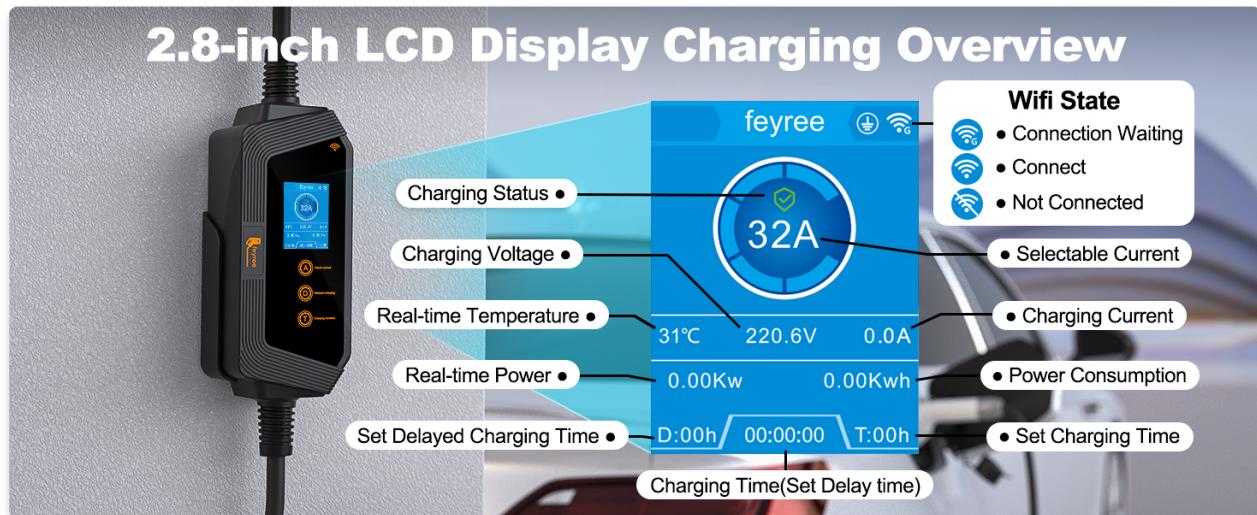
The feyree 40A Level 2 EV Charger in use, demonstrating its connection to an electric vehicle.

2. SAFETY INFORMATION

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

- Ensure the NEMA 14-50 outlet is properly installed and grounded by a qualified electrician.
- Do not use the charger if the cable, plug, or charging connector is damaged.
- Avoid immersing the charger or its components in water. The unit is IP66 rated for water resistance, but not submersion.

- Do not attempt to open, disassemble, or modify the charger.
- Keep children and pets away from the charging area during operation.
- Operate the charger within its specified temperature range (-22°F to 131°F).
- Disconnect the charger from the power source before cleaning or maintenance.



The feyree EV charger incorporates multiple safety protections including over-voltage, under-voltage, short-circuit, overheating, ground, overload, lightning, and leakage protection.

3. PRODUCT OVERVIEW AND FEATURES

The feyree 40A Level 2 EV Charger is equipped with advanced features for a superior charging experience:

- **WiFi Connection & Smart APP Control:** Monitor charging status, adjust current, and set charging times remotely via the dedicated mobile application.
- **Fast Charging:** Delivers up to 40A (9.6KW), charging up to 8 times faster than standard Level 1 chargers.
- **Robust Safety Features:** Includes over-current, over-voltage, under-voltage, leakage (TypeA), overheating, and grounding protection. Meets UL94V-0 fire rating.
- **Dual Usage Modes:** Can be wall-mounted for home use or used as a portable charger with the included carrying bag.
- **SAE J1772 Compatibility:** Compatible with all J1772 electric and plug-in hybrid vehicles. (Tesla vehicles require an additional adapter).
- **Durable Design:** IP66 waterproof rating for outdoor use, capable of withstanding extreme temperatures from -22°F to 131°F.

Feyree EV Charger Level 2

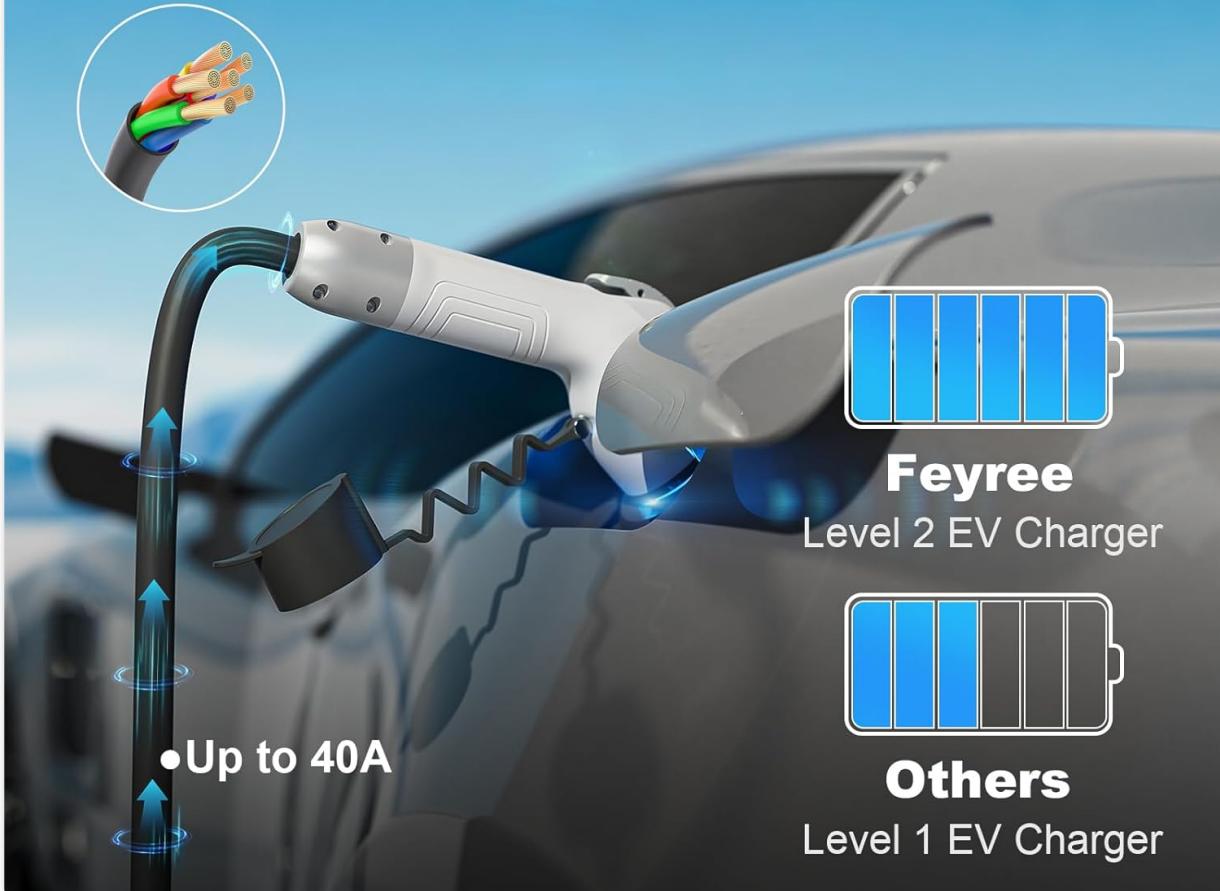


Overview of the feyree EV Charger's key features and specifications.

8X

Fast Charging

Reduce your waiting time for charging



The feyree charger provides significantly faster charging speeds compared to Level 1 chargers.

For All J1772 EVs



Hyundai



Nissan



BMW



Porsche



Mercedes-Benz



Kia



Chevrolet



Volkswagen



Ford



Rivian

• Tips: Tesla owners need a J1772 to Tesla adapter



The charger is compatible with a wide range of J1772 standard electric vehicles.

4. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x 40A Portable EV Charger Level 2
- 1 x EV Charger Holder (for wall mounting)
- 1 x EV Plug Holder
- 1 x Screw Kit (for installation)
- 1 x Portable Bag
- 1 x User Manual (this document)



All components included with your feyree 40A Level 2 EV Charger.

5. SETUP AND INSTALLATION

5.1 Wall-Mounted Installation

1. Choose a suitable location near a NEMA 14-50 outlet, ensuring it is dry and protected from direct sunlight or extreme weather.
2. Use the EV Charger Holder as a template to mark drilling points on the wall.
3. Drill holes and insert wall anchors (if necessary).
4. Secure the EV Charger Holder to the wall using the provided screws.
5. Mount the charger unit onto the holder.
6. Install the EV Plug Holder nearby to neatly store the charging connector when not in use.

5.2 Portable Use

For portable use, simply plug the NEMA 14-50P plug into a compatible 240V NEMA 14-50 outlet. Ensure the outlet is in good condition and properly grounded. The included portable bag allows for convenient transport.



The charger is equipped with a NEMA 14-50P plug for direct connection to compatible outlets.

6. OPERATING INSTRUCTIONS

6.1 Basic Charging Process

1. Plug the NEMA 14-50P power plug into a compatible 240V outlet.
2. Connect the SAE J1772 charging connector to your electric vehicle's charging port. Ensure a secure connection.
3. The charger's LCD screen will display charging status, voltage, current, and other relevant information.
4. Charging will begin automatically or according to your set schedule.
5. To stop charging, disconnect the charging connector from your vehicle first, then unplug the power plug from the outlet.

6.2 LCD Display and Button Functions

The charger features a 2.8-inch LCD display and three control buttons (A, D, T) for manual adjustments.

Smart LCD and Button Functions



Adjust Current (8 levels)

Downward (when menu page)



Set Delay Time (0-15h)

Enter (when menu page)



Set Charging Time (short press)

Enter the Menu Page (long press)

Back (when menu page)

Detailed view of the LCD screen and button functionalities.

- Button A (Adjust Current):** Short press to cycle through 8 current levels (e.g., 8A, 10A, 13A, 16A, 20A, 25A, 32A, 40A).
- Button D (Set Delay Time):** Short press to enter delay time setting (0-15 hours).
- Button T (Set Charging Time):** Short press to enter charging duration setting. Long press to enter the main menu.



The LCD display provides a comprehensive overview of the charging process.

6.3 Smart APP Control (WiFi Enabled)

The feyree charger can be controlled and monitored via a smartphone application (Tuya Smart or Smart Life app).

1. **Download the APP:** Search for "Tuya Smart" or "Smart Life" in your mobile app store (Google Play or Apple App Store).
2. **Register/Login:** Create an account or log in to an existing one.
3. **Add Device:** Follow the in-app instructions to add your feyree EV charger. Ensure your phone and charger are connected to the same 2.4GHz WiFi network during setup.
4. **Remote Monitoring:** View real-time charging status, voltage, current, and power consumption from anywhere.
5. **Current Adjustment:** Adjust the charging current remotely through the app.
6. **Schedule Charging:** Set delayed charging times or specific charging durations to take advantage of off-peak electricity rates.

Keep an Eye on Charging Status Anytime/Anywhere



Schedule Charging Time
(Save your electricity bills)



Monitor Real-time Charging Status
(Timely troubleshooting)



Monitoring of Electricity Usage
(Protect battery life)



Monitor your charging status and electricity usage anytime, anywhere via the app.

Schedule Delay Time and Charging Time

More Power for Less Money



• APP adjustment



• Keystroke Adjustment

Delayed charging

Charging duration



Customize charging schedules to optimize for lower electricity costs.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your charger.

- **Cleaning:** Wipe the charger unit and cables with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the unit is unplugged before cleaning.
- **Cable Inspection:** Periodically inspect the charging cable, plug, and connector for any signs of wear, cuts, or damage. If damage is found, discontinue use immediately and contact customer support.
- **Storage:** When not in use, store the charger in a dry, cool place, preferably using the provided cable holder and plug holder to keep the cable neatly coiled and off the ground.
- **Environmental Conditions:** While the charger is IP66 rated, prolonged exposure to extreme weather conditions (heavy rain, snow, direct intense sunlight) should be minimized when possible.



The charger's robust design allows it to operate reliably in various weather conditions.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Charger not turning on/no display.	No power from outlet; loose connection.	Check the NEMA 14-50 outlet and circuit breaker. Ensure the charger's power plug is fully inserted.
Charging not starting.	EV connector not fully inserted; vehicle not ready to charge; charging schedule active.	Ensure the EV connector is securely latched. Check your vehicle's charging settings. Verify no charging schedule is active via the app or charger buttons.
Charging stops unexpectedly.	Overheating; power fluctuation; vehicle fault.	Check for error codes on the LCD. Allow the charger to cool down if it's hot. Consult your vehicle's manual for charging issues.
APP connection issues.	Incorrect WiFi password; 5GHz network; poor signal.	Ensure you are connecting to a 2.4GHz WiFi network. Re-enter WiFi password. Move charger closer to router.
Error code displayed.	Internal fault; protection activated.	Note the error code and refer to the full user manual (if provided separately) or contact feyree customer support.

9. SPECIFICATIONS

Specification	Value
Model	Hero EV-H8 (40A)
Input Voltage	240V AC
Max Current	40A
Max Power	9.6KW
Connector Type	SAE J1772 (Type 1)
Power Plug	NEMA 14-50P
Cable Length	17 FT
IP Rating	IP66
Operating Temperature	-22°F to 131°F (-30°C to 55°C)
Safety Rating	CE/FCC
Item Weight	9.79 pounds
Country of Origin	China

10. WARRANTY AND SUPPORT

feyree is committed to providing high-quality electric vehicle charging solutions. We offer a **2-year assurance service** for all feyree products.

If you have any questions, require technical assistance, or need to claim warranty service, please do not hesitate to contact our professional after-sales support team. Refer to the contact information provided with your product packaging or visit the official feyree website for support details.

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Related Documents - Hero EV-H8 (40A)

 EV Charging Station Manual It is recommended to read the instructions before use	Feyree EV Charging Station Manual: Features, Operation, and Troubleshooting Comprehensive manual for Feyree EV Charging Stations, covering product overview, technical parameters for Type 1, Type 2, and GB/T 20234 standards, operating instructions, key operations, troubleshooting, and indicator light definitions. Includes safety guidelines and app usage.
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 Portable EV Charger Instructions It is recommended to read the instructions before use	<p>Feyree Portable EV Charger Instructions & Safety Guide</p> <p>User manual for the Feyree Portable EV Charger (Model FR-BZ-0022), a 3.5KW EVSE charging cable with Type 2 connector and adjustable current. This guide provides essential safety precautions, product specifications, charging steps, troubleshooting tips, and after-sale service information for electric vehicle owners.</p>
 EV Charging Station Manual SAE J1772 It is recommended to read the instructions before use	<p>Feyree EV Charging Station Manual - Model F-MBZ1</p> <p>Comprehensive user manual for the Feyree EV Charging Station (Model F-MBZ1), detailing features, installation, operation, safety precautions, RFID card usage, and troubleshooting. Compliant with SAE J1772 standard.</p>
 Mode II Portable Control Box Manual It is recommended to read the instructions before use	<p>Feyree Mode II Portable Control Box User Manual & Specifications</p> <p>Comprehensive user manual and technical specifications for the Feyree Mode II Portable Control Box, including safety precautions, product parameters, and app integration guide.</p>
 Portable EV Charger Instructions 1P 32A 3P 16A It is recommended to read the instructions before use	<p>Feyree Portable EV Charger Instructions and Specifications</p> <p>Comprehensive guide for Feyree portable EV chargers, covering safety, operation, specifications for Type 2, GBT, Type 1, and TS-NACS connectors, control box details, troubleshooting, app usage, and warranty information.</p>
 Portable EV Charger Instructions It is recommended to read the instructions before use	<p>Feyree 11KW Portable EV Charger: User Manual & Instructions</p> <p>Official user manual for the Feyree 11KW portable EV charger. Includes safety precautions, product parameters, operation instructions, app guide, and after-sale service information.</p>