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feyree Hero EV-H8 (40A)

feyree 40A Level 2 EV Charger User Manual

Model: Hero EV-H8 (40A)

Brand: feyree

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, installation, and maintenance of your feyree 40A Level 2 EV Charger. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage or injury.



Figure 1: Overview of the feyree 40A Level 2 EV Charger components.

2. PRODUCT FEATURES

The feyree 40A Level 2 EV Charger is designed for fast, reliable, and smart electric vehicle charging. Key features include:

- **WiFi Connection & Smart APP Control:** Monitor charging status, adjust current, and set charging times remotely via a dedicated mobile application.
- **Up to 40A Fast Charging:** Delivers up to 9.6kW of power, significantly reducing charging time compared to Level 1 chargers.
- **SAE J1772 Compatibility:** Compatible with all J1772 electric and plug-in hybrid vehicles (Tesla requires an additional adapter).
- **Advanced Safety Protections:** Includes over-current, over-voltage, under-voltage, leakage (Type A), over-heating, and grounding protection.
- **Durable Construction:** Made from high flame-retardant material (UL94V-0 fire rating) and IP66 waterproof for outdoor use.

- **Two Usage Modes:** Can be wall-mounted for permanent installation or used as a portable charger with the included carrying bag.

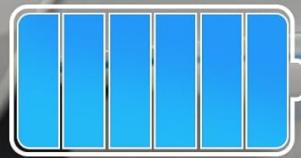


Figure 2: Key specifications and features of the feyree EV Charger.

8X

Fast Charging

Reduce your waitting time for charging



Feyree
Level 2 EV Charger



Others
Level 1 EV Charger

Figure 3: Comparison of charging speed, highlighting 8X faster charging.

3. WHAT'S IN THE Box

Upon opening the package, please verify that all the following items are included:

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

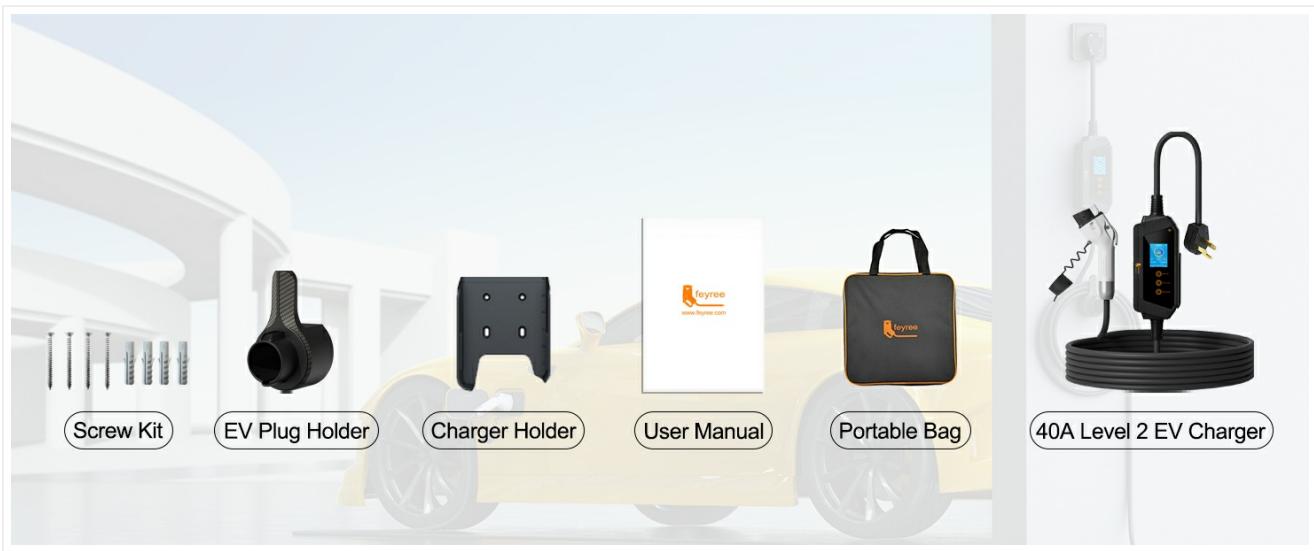


Figure 4: All components included in the product package.

4. SETUP

4.1 Installation (Wall-Mounted)

For a fixed charging station, you can mount the charger and cable holder to a wall using the provided screw kit. Choose a location near your NEMA 14-50P outlet that allows the charging cable to comfortably reach your vehicle's charging port.

1. Identify a suitable wall location, ensuring it is structurally sound and free from obstructions.
2. Use the charger holder as a template to mark drilling points on the wall.
3. Drill holes and insert wall anchors if necessary.
4. Secure the charger holder and EV plug holder to the wall using the provided screws.
5. Hang the charger unit on its holder and neatly coil the cable.

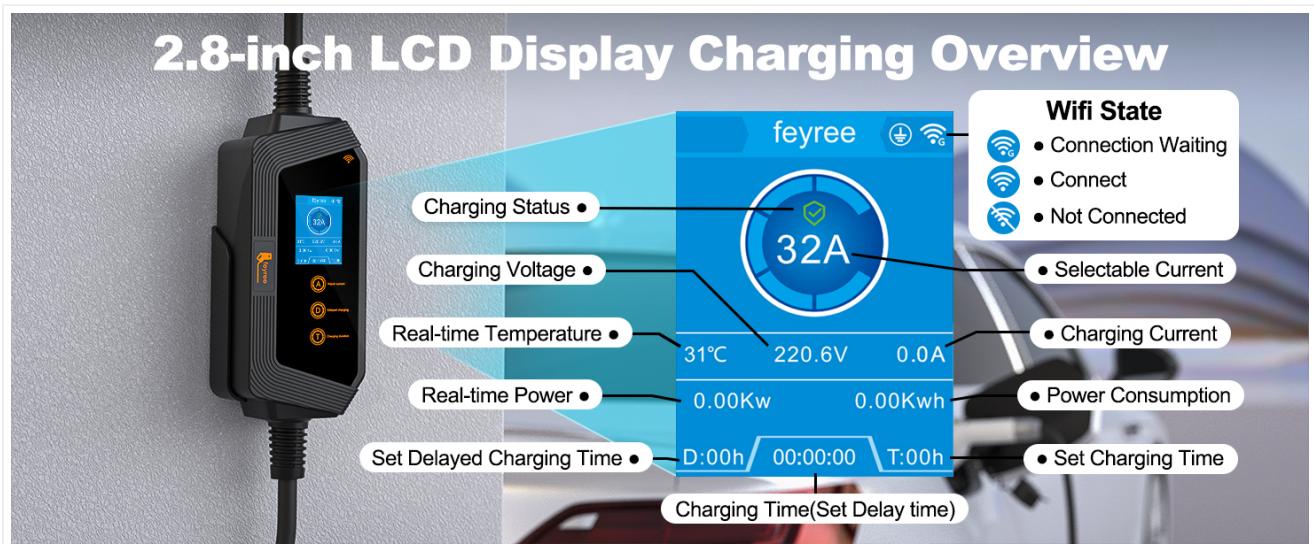


Figure 5: Example of a wall-mounted installation.

4.2 Portable Use

The feyree charger is also designed for portability. When traveling, simply store the charger and cable in the provided portable bag. Ensure the NEMA 14-50P outlet is accessible at your charging location.

Figure 6: Portable storage of the charger in a vehicle trunk.

4.3 Connecting to Power

The charger uses a NEMA 14-50P plug. Ensure you have a compatible 240V NEMA 14-50R outlet available. Plug the charger's power cord firmly into the outlet.



Figure 7: NEMA 14-50P plug and compatible outlet.

5. OPERATING INSTRUCTIONS

5.1 Basic Charging

To begin charging your electric vehicle:

1. Ensure the charger is securely plugged into a NEMA 14-50R outlet.
2. Open your vehicle's charging port cover.
3. Insert the SAE J1772 connector firmly into your vehicle's charging port until it clicks into place.
4. The charger will automatically begin charging, and the LCD screen will display charging status.
5. To stop charging, disconnect the J1772 connector from your vehicle.

For All J1772 EVs



Hyundai



Nissan



BMW



Porsche



Mercedes-Benz



Kia



Chevrolet



Volkswagen



Ford



Rivian

• Tips: Tesla owners need a J1772 to Tesla adapter



Figure 8: Compatibility with J1772 EVs.

5.2 Smart APP Control (WiFi Connection)

The feyree charger can be controlled and monitored via a smart application (Tuya Smart or Smart Life). This allows for real-time monitoring, current adjustment, and scheduling.

1. Download the Tuya Smart or Smart Life app from your device's app store.
2. Register or log in to your account.
3. Add the charger device by following the in-app instructions for WiFi/Bluetooth pairing.
4. Once connected, you can view charging status, adjust current, and set charging schedules directly from your smartphone.



Figure 9: APP remote monitoring interface.

5.3 Adjusting Current

You can adjust the charging current to optimize charging speed or manage power consumption. The charger supports 8 levels of current adjustment.

- **Via APP:** Use the 'Set Current' option within the mobile application to select your desired amperage.
- **Via Charger Buttons:** Use the 'A' button on the charger unit to cycle through available current settings.

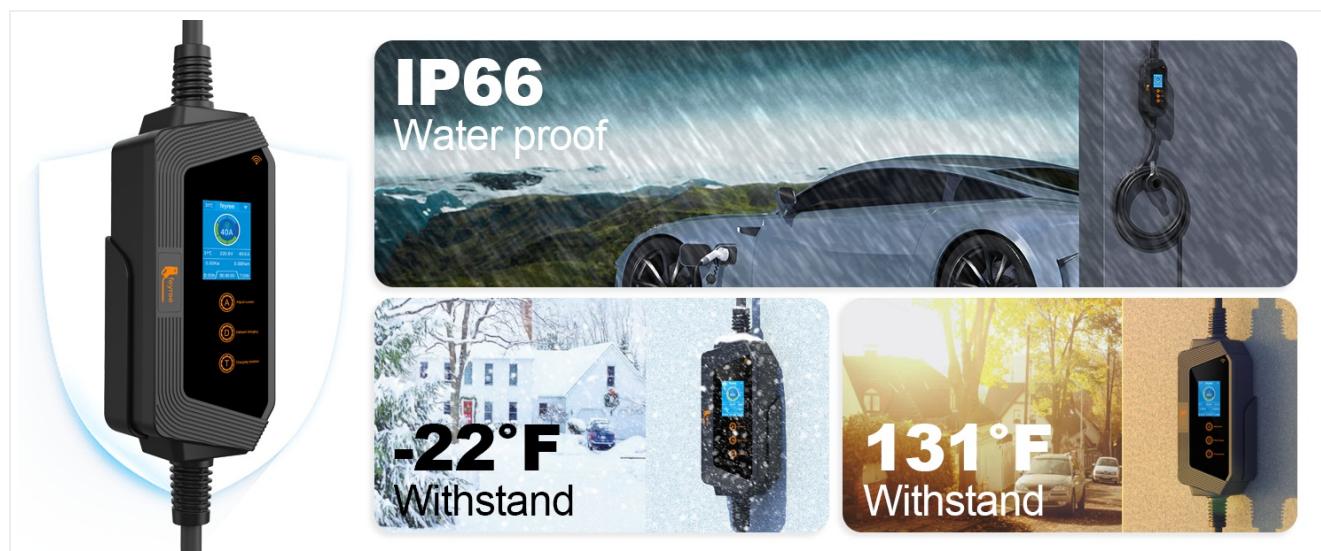


Figure 10: Current adjustment options.

5.4 Setting Charging Time (Delayed Charging)

To take advantage of off-peak electricity rates, you can schedule delayed charging times.

- **Via APP:** Use the 'Set Delay Time' option in the app to specify when charging should begin.
- **Via Charger Buttons:** Use the 'D' button on the charger unit to manually set a delayed charging time (0-15 hours).



Figure 11: Scheduling delayed charging for cost efficiency.

5.5 LCD Display Overview

The 2.8-inch LCD display provides real-time information about the charging process:

- **WiFi State:** Indicates connection status (Connection Waiting, Connect, Not Connected).
- **Charging Status:** Shows if the charger is actively charging.
- **Charging Voltage:** Displays the current voltage.
- **Real-time Temperature:** Shows the operating temperature of the unit.
- **Real-time Power:** Displays instantaneous power consumption (KW).
- **Selectable Current:** Shows the currently selected amperage.
- **Charging Current:** Displays the actual current being drawn.
- **Power Consumption:** Total energy consumed (KWh).
- **Set Delayed Charging Time:** Displays the set delay time.
- **Set Charging Time:** Displays the set charging duration.



Figure 12: LCD display information.

5.6 Button Functions

The charger unit features three buttons for direct control:

- **'A' Button (Adjust Current):** Short press to cycle through current levels.

- **'D' Button (Set Delay Time):** Short press to enter delay time setting.
- **'T' Button (Set Charging Time / Menu):** Short press to enter charging duration setting. Long press for 10 seconds to enter the main menu page.



Figure 13: Charger button functions.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your feyree EV charger.

- **Cleaning:** Wipe the charger unit and cable with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the unit is unplugged before cleaning.
- **Cable Inspection:** Periodically inspect the charging cable and connector for any signs of wear, damage, or fraying. Do not use if damaged.
- **Storage:** When not in use, store the charger in a dry, clean place. Use the provided cable holder for wall-mounted units or the portable bag for storage.

6.1 Environmental Resistance

The feyree charger is designed with an IP66 waterproof rating, making it suitable for various weather conditions. It can withstand temperatures ranging from -22°F (-30°C) to 131°F (55°C).



Figure 14: IP66 waterproof and temperature resistance.

7. SAFETY FEATURES

Your feyree EV charger is equipped with multiple safety protection functions to ensure safe operation:

- Over-Current Protection
- Over-Voltage Protection
- Under-Voltage Protection
- Leakage Protection (TypeA)
- Over-Heating Protection
- Grounding Protection
- Short-Circuit Protection
- Lightning Protection



Figure 15: Comprehensive safety protections.

8. TROUBLESHOOTING

If you encounter issues with your feyree EV charger, consider the following common troubleshooting steps:

- **No Power:** Ensure the NEMA 14-50P plug is fully inserted into the outlet and that the circuit breaker for the outlet is not tripped.
- **Not Charging:** Verify the J1772 connector is securely plugged into the vehicle's charging port. Check the LCD display for any error codes or status messages.
- **APP Connectivity Issues:** Ensure your mobile device is connected to a stable WiFi network. Restart the charger and your mobile device, then attempt to reconnect via the app.
- **Slow Charging:** Check the current setting on the charger's LCD or via the app to ensure it is set to the desired amperage. Verify your vehicle's charging capabilities.
- **Overheating:** If the charger indicates an overheating error, disconnect it immediately and allow it to cool down in a well-ventilated area. Ensure the charger is not covered or in direct sunlight during operation.

For persistent issues or error codes not listed, please refer to the detailed troubleshooting section within the mobile application or contact customer support.

9. SPECIFICATIONS

Attribute	Specification
Brand	feyree
Model	Electric Car Charger Level 2
Item Model Number	Hero EV-H8 (40A)
Manufacturer Part Number	FR-CP-0616
Max Current	40A
Max Power	9.6KW
Input Voltage	240V
Connector Type	SAE J1772 (Type 1)
Power Plug Type	NEMA 14-50P
Cable Length	17FT
Item Weight	9.79 pounds
Package Dimensions	15.16 x 15.12 x 4.53 inches
Safety Rating	CE/FCC
Waterproof Rating	IP66
Operating Temperature	-22°F to 131°F (-30°C to 55°C)

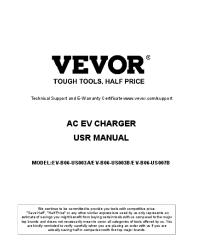
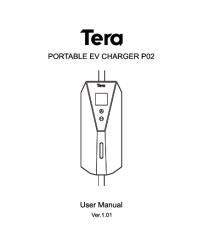
10. WARRANTY AND SUPPORT

10.1 Warranty Information

Feyree provides a **2-year assurance service** for all feyree products. This warranty covers defects in materials and workmanship under normal use.

10.2 Customer Support

If you have any questions, require technical assistance, or need to claim warranty service, please feel free to contact our professional after-sales support team. Refer to the product packaging or the feyree official website for the most current contact information.

	<p>MUSTART Level 2 Portable EV Charger User Manual</p> <p>This user manual provides essential safety warnings, precautions, operating instructions, troubleshooting tips, and technical specifications for the MUSTART Level 2 Portable EV Charger, designed for electric vehicle charging.</p>
	<p>AIMILER EV Charger Troubleshooting Guide</p> <p>A comprehensive troubleshooting guide for AIMILER Level 2 Electric Vehicle (EV) Chargers, covering common faults and their solutions for issues like unable to turn on, unable to start, incomplete charge, screen display errors, and connectivity problems.</p>
	<p>Aimiler EV Charger App Guide: Setup and Usage</p> <p>A comprehensive guide to setting up and using the Aimiler EV charger app, including device pairing, appointment scheduling, and charging instructions.</p>
	<p>VEVOR AC EV Charger User Manual - Models EV-B06-US003A, EV-B06-US003B, EV-B06-US007B</p> <p>This user manual provides comprehensive information for VEVOR AC EV Chargers, including safety precautions, product specifications, operating instructions, mobile app integration, fault descriptions, and installation guides for models EV-B06-US003A, EV-B06-US003B, and EV-B06-US007B.</p>
	<p>Emporia Smart Home EV Charger: Technical Specifications and Safety Features</p> <p>Detailed technical specifications and safety features for the Emporia Smart Home EV Charger, a Level 2 electric vehicle charging station compatible with all electric cars. Learn about its charging capabilities, input voltage, connector type, and safety standards.</p>
	<p>Tera Portable EV Charger P02 User Manual</p> <p>User manual for the Tera Portable EV Charger P02, detailing safety precautions, product specifications, operating instructions, fault descriptions, and package contents. Includes information on installation, usage, and troubleshooting.</p>