

Generic 12EVCHARGEH

Level 1+2 EV Charger User Manual

Model: **12EVCHARGEH** | Brand: **Generic**

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Level 1+2 EV Charger. This portable electric vehicle charging station is designed for both home and office use, offering flexible charging solutions. It supports up to 3 kW charging and features a 25-foot cable for extended reach.

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THIS PRODUCT.

- Do not immerse the charger in water or other liquids.
- Do not operate the charger if it has been dropped or damaged.
- Do not disassemble the charger. Contact qualified service personnel when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
- Ensure the charging cable is not kinked, crushed, or damaged during use.
- Use only in well-ventilated areas.
- Keep out of reach of children.
- Always ensure the power outlet is properly grounded.

WHAT'S IN THE BOX

- Level 1+2 EV Charging Station (Main Unit with 25ft cable and J1772 connector)
- NEMA 5-15P to 6-20R Adapter Cable



Image: The complete Level 1+2 EV Charger kit, showing the main charging unit with its 25-foot cable and J1772 connector, alongside the included NEMA 5-15P to 6-20R adapter for Level 1 charging.

PRODUCT FEATURES

- **Universal Vehicle Compatibility:** Uses the North American J1772 standard connector, compatible with most electric vehicles. (Note: Teslas require a separate adapter).
- **Fast Charging:** Up to 4x faster than typical Level 1 charging, delivering up to 16 Amps / 3 KW/H on a 240V line.
- **Level 1 Compatibility:** Includes a 5-15 adapter for charging from a standard 120V household outlet.
- **Easy Installation & Use:** Designed for simple setup with a low-cost 6-20R receptacle.
- **Durable Design:** IP65 protection grade for indoor/outdoor use.
- **LED Control Box:** Provides clear indication of charge status.

- **Extended Cable Length:** 25-foot cable for convenient charging at a distance.

SPECIFICATIONS

Attribute	Value
Brand	Generic
Model Name	Charge+
Item Model Number	12EVCHARGEH
Connector Type	J1772
Cable Type	J1772
Compatible Devices	Electric Vehicles (J1772 standard)
Recommended Uses	Charging Electric Vehicles
Connector Gender	Male-to-Male
Data Transfer Rate (Current)	16 Amps
Nominal Voltage	110-240Vac
Nominal Frequency	50/60Hz
Nominal Power	3000W (3 kW)
Protection Grade	IP65
Indoor/Outdoor Usage	Outdoor, Indoor
Cable Length	25 feet
Item Weight	6 pounds
Package Dimensions	16 x 16 x 3 inches





Image: Rear view of the charging control box, displaying the technical specification label with details such as nominal voltage, current, frequency, power, and IP protection grade.

SETUP INSTRUCTIONS

Choosing a Power Outlet:

Your EV charger supports both Level 1 (120V) and Level 2 (240V) charging. The type of outlet you use will determine the charging speed.

- **Level 2 Charging (240V, 16A):** Requires a NEMA 6-20R receptacle. This provides the fastest charging speed (up to 3 kW). Ensure the circuit is dedicated and properly rated for 16 Amps or higher.
- **Level 1 Charging (120V, 15A):** Use the included NEMA 5-15P to 6-20R adapter to connect to a standard 120V household outlet (NEMA 5-15R). This will charge at a slower rate.





Image: A close-up view of the NEMA 6-20P plug, which is the standard connector for 240V Level 2 charging with this unit.



Image: The NEMA 5-15P to 6-20R adapter cable, used to connect the charger to a standard 120V household outlet for Level 1 charging.

Installation Steps:

1. **Inspect the Charger:** Before first use, carefully inspect the charging cable, control box, and connectors for any signs of damage. Do not use if any damage is observed.
2. **Select Location:** Choose a dry, well-ventilated location for charging. The charger is rated for both indoor and outdoor use (IP65), but protection from direct heavy rain or snow is recommended for prolonged outdoor use.
3. **Connect to Power:**
 - For Level 2 (240V) charging: Plug the charger's NEMA 6-20P plug directly into a compatible 240V NEMA 6-20R outlet.
 - For Level 1 (120V) charging: Connect the charger's NEMA 6-20P plug to the included NEMA 5-15P to 6-20R adapter, then plug the adapter into a standard 120V NEMA 5-15R household outlet.

Ensure the connection is secure. The control box will illuminate, indicating it is powered on and ready.

OPERATING INSTRUCTIONS

1. **Connect to Vehicle:** Once the charger is powered on, open your electric vehicle's charging port cover. Firmly insert the J1772 connector into your vehicle's charging inlet until it clicks into place.
2. **Initiate Charging:** The charger's control box will display the charging status. Typically, a green light or specific LED pattern indicates active charging. Your vehicle's dashboard or infotainment system will also confirm charging has begun.
3. **Monitor Charging:** The LED indicators on the control box provide real-time status. Refer to the "LED Indicator Status" section for details.
4. **End Charging:** To stop charging, first unlock your vehicle's charging port (if applicable, via your car's key fob or app). Then, press the release button on the J1772 connector and pull it firmly out of the vehicle's charging inlet.
5. **Disconnect from Power:** After charging is complete and the connector is removed from the vehicle, unplug the charger from the wall outlet.

LED Indicator Status:

The control box features LED indicators to communicate the charger's status:

- **Solid Green:** Ready to charge / Standby.
- **Flashing Green:** Charging in progress.
- **Solid Red:** Error or fault detected. Disconnect from power and vehicle, then re-attempt. If error persists, refer to Troubleshooting.
- **No Light:** No power. Check power connection.





Image: A detailed view of the charger's control box, highlighting the LED indicators and control buttons that display the charging status.



Image: A close-up of the J1772 connector, the standard plug for connecting the charger to most electric vehicles.

MAINTENANCE

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

- **Cleaning:** Disconnect the charger from the power source before cleaning. Use a soft, damp cloth to wipe down the control box and cable. Do not use harsh chemicals or abrasive cleaners.
- **Cable Inspection:** Regularly inspect the entire length of the charging cable for any cuts, fraying, or damage. Check the connectors for bent pins or corrosion. If any damage is found, discontinue use immediately and contact support.
- **Storage:** When not in use, coil the cable neatly and store the charger in a dry, clean place, away from direct sunlight and extreme temperatures. Avoid kinking or bending the cable sharply.
- **Connector Care:** Keep the J1772 connector clean and free of debris. Use the protective cap (if provided) when not in use to prevent dust and moisture ingress.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger not powering on (No LED lights)	No power from outlet; Loose connection; Faulty outlet.	Ensure the charger is securely plugged into a live outlet. Test the outlet with another device. Check circuit breaker.

Charging not starting (Solid Green LED, but vehicle not charging)	J1772 connector not fully inserted; Vehicle charging port issue; Vehicle not ready to charge.	Ensure the J1772 connector is fully seated and locked into the vehicle's port. Check vehicle's charging settings. Try re-plugging the connector.
Red LED indicator (Error)	Overcurrent; Overvoltage/Undervoltage; Over-temperature; Ground fault; Internal fault.	Immediately unplug the charger from both the vehicle and the power outlet. Wait 5 minutes, then plug it back in. If the error persists, contact customer support. Do not attempt to repair.
Slow charging speed	Using Level 1 (120V) outlet; Vehicle charging settings; Shared circuit.	Ensure you are connected to a 240V NEMA 6-20R outlet for optimal speed. Check your vehicle's charging settings. Avoid using the charger on a circuit with other high-power appliances.
Cable or connector feels hot	Normal operation (slight warmth); Overload; Poor connection.	A slight warmth is normal. If it feels excessively hot or smells burnt, immediately disconnect. This could indicate an overload or poor connection. Contact an electrician to inspect your outlet and wiring.

WARRANTY AND SUPPORT

This Level 1+2 EV Charger comes with a **2-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

The warranty does not cover:

- Damage caused by accident, abuse, misuse, flood, fire, earthquake, or other external causes.
- Damage caused by operating the product outside the permitted or intended uses described in this manual.
- Damage caused by service performed by anyone who is not an authorized representative.
- Products or parts that have been modified to alter functionality or capability without the written permission of the manufacturer.

For warranty claims or technical support, please contact your retailer or the manufacturer directly. Please have your purchase receipt and product model number ready when contacting support.