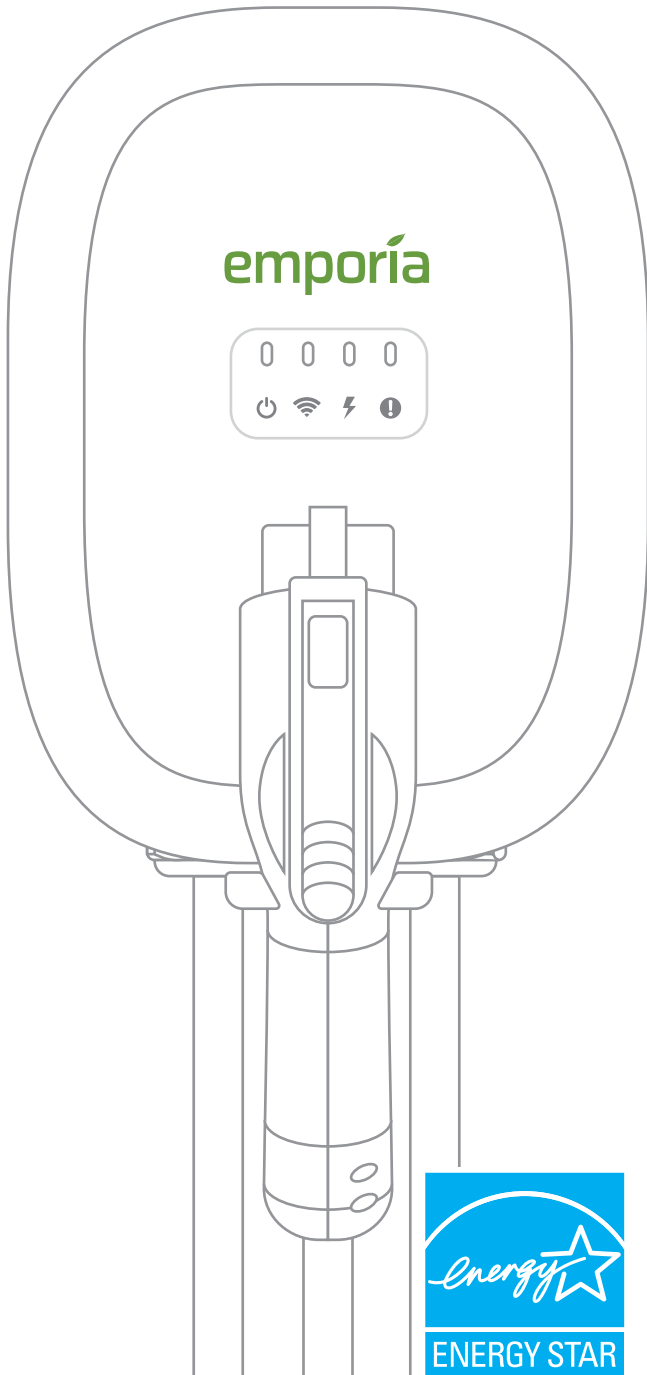


emporía



Smart Home
EV Charger

**NEMA TO HARDWIRED
CONVERSION GUIDE**



IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

INSTRUCTIONS PERTAINING TO A RISK OF FIRE OR ELECTRIC SHOCK!

Improper connection of the equipment- grounding conductor may result in a risk of electric shock, leading to death or serious injury. Emporia recommends that installation be performed by a licensed electrician or other qualified professional in accordance with the regional electrical code where it is being installed to ensure the Emporia EV Charger is properly grounded. Do not modify the provided plug – if it will not fit the outlet, have a proper outlet installed by a licensed electrician or other qualified professional.

GROUNDING INSTRUCTIONS

For Plugged-In Installation:

This product must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING - Improper connection of the equipment-grounding conductor is able to result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

For Hardwired Installation:

This product must be connected to a grounded, metal, permanent wiring system, or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal or lead on the product.

Safety information

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

INSTRUCTIONS PERTAINING TO A RISK OF FIRE OR ELECTRIC SHOCK

- Read all the instructions before using this product.
- This device should be supervised when used around children.
- Do not put fingers into the electric vehicle connector.
- The Emporia EV Charger is intended for use with electric vehicles only. Specifically, it is intended only for electric vehicles not requiring ventilation during charging.
- Do not use the Emporia EV Charger in any manner other than specified in this installation guide.
- Do not attempt to disassemble or repair any of the components of the Emporia EV Charger. There are no user serviceable parts inside.
- Do not use this product if the flexible power cord or EV cable is frayed, has broken insulation, or any other signs of damage.
- Do not use this product if the enclosure or the EV connector is broken, cracked, open, or shows any other indication of damage.
- Do not install the Emporia EV Charger in environments with explosive gas or vapors; nor where temperatures are outside its operating range of -22°F to 122°F (-30°C to 50°C)
- Use 90°C wire, 6 AWG copper for setting 48A rating intended for field wiring connection.

Moving and storage Instructions

- Improper moving or storage of the Emporia EV Charger may result in damage to the product that could result in a risk of fire or electric shock during subsequent use.
- Handle charger and packaging with care and avoid dropping it. When moving or lifting the Emporia EV Charger, always grasp the unit by the charging station enclosure. Never carry or lift the Emporia EV Charger by either the power cable or charging cord.
- Store the Emporia EV Charger indoors and in its original packaging until it is ready to be installed. Storage temperature should be between -22°F to 122°F (-30°C to 50°C)

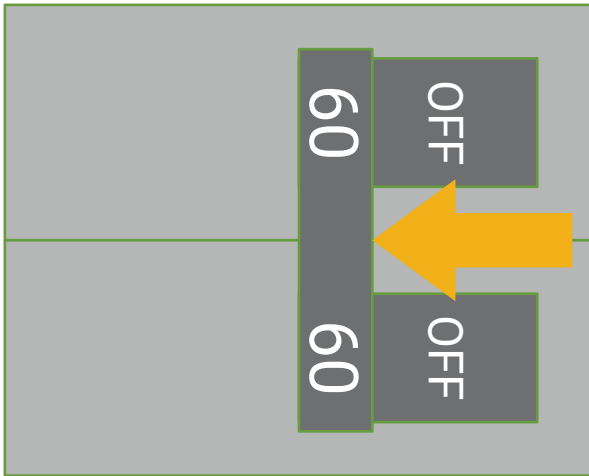
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-  emporiaenergy.com/support
-  support@emporiaenergy.com
-  1-844-EMPORIA (367-6742)

Step 1: Hardwired instructions for electricians



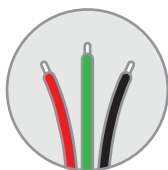
A licensed electrician or other qualified professional can follow these instructions to hardwire the EV Charger to a breaker. **If you plan to power your EV Charger with a NEMA 14-50R receptacle outlet, skip to Step 8b.** First, turn off the dedicated dual-pole breaker that will power the EV Charger.



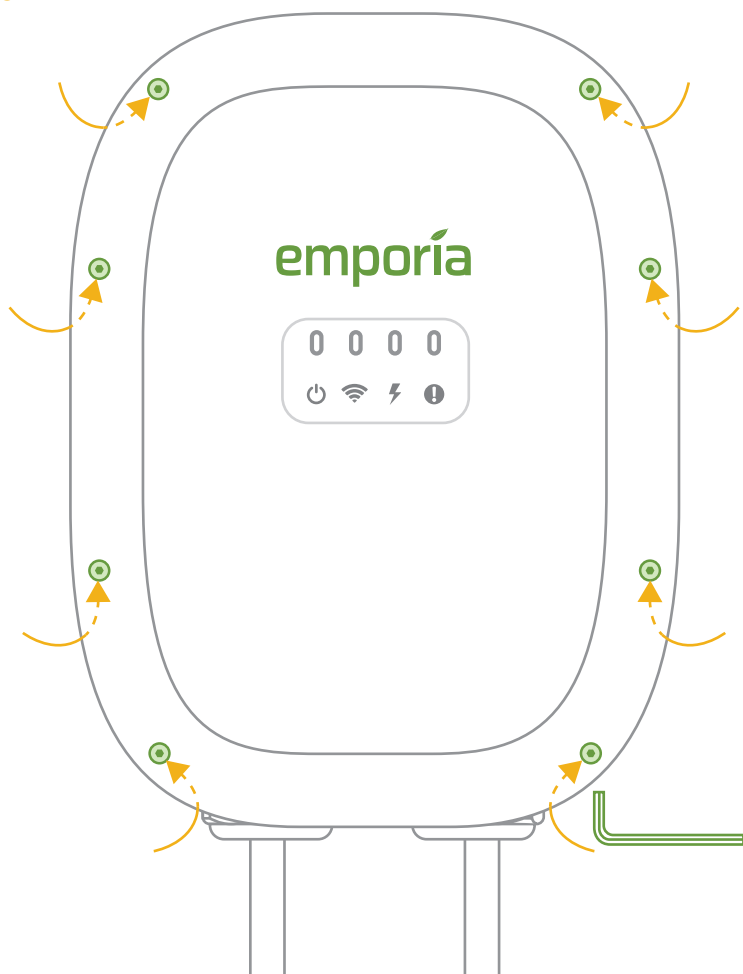
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Step 2: Hardwired instructions for electricians



From the back of the EV Charger, use the Allen wrench to remove the 8 screws to detach the front cover. **Caution: there's a cable connecting the cover to the circuit board in the Charger. To remove the cable, gently grab the cable bundle and pull it away from the circuit board.**



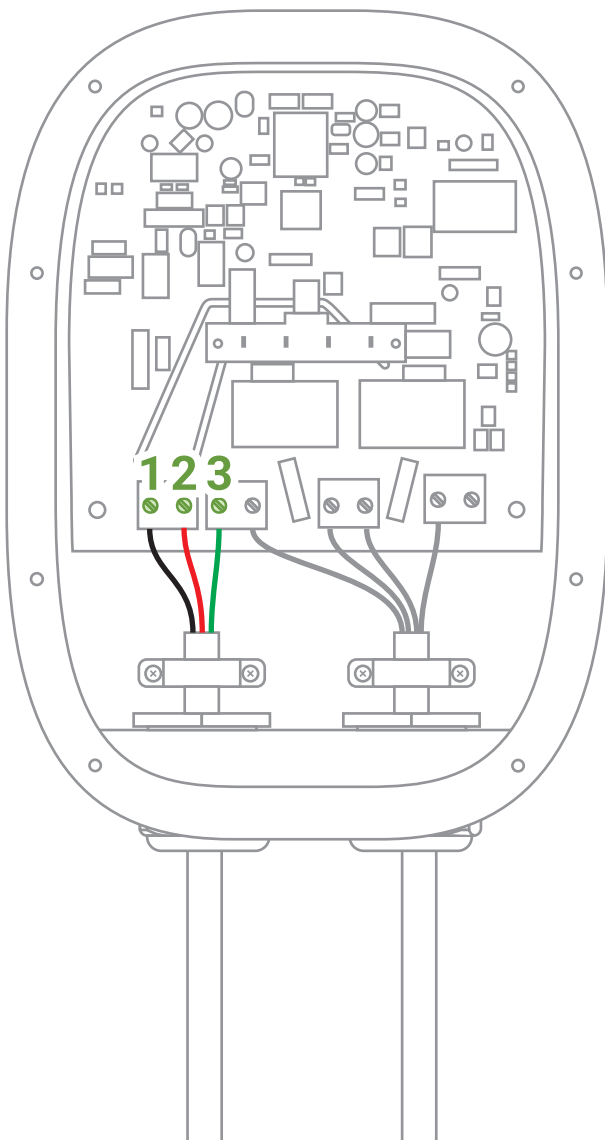
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Step 3: Hardwired instructions for electricians



Unscrew the screws for terminals 1, 2, and 3 to remove the Black, Red, and Green NEMA cable wires



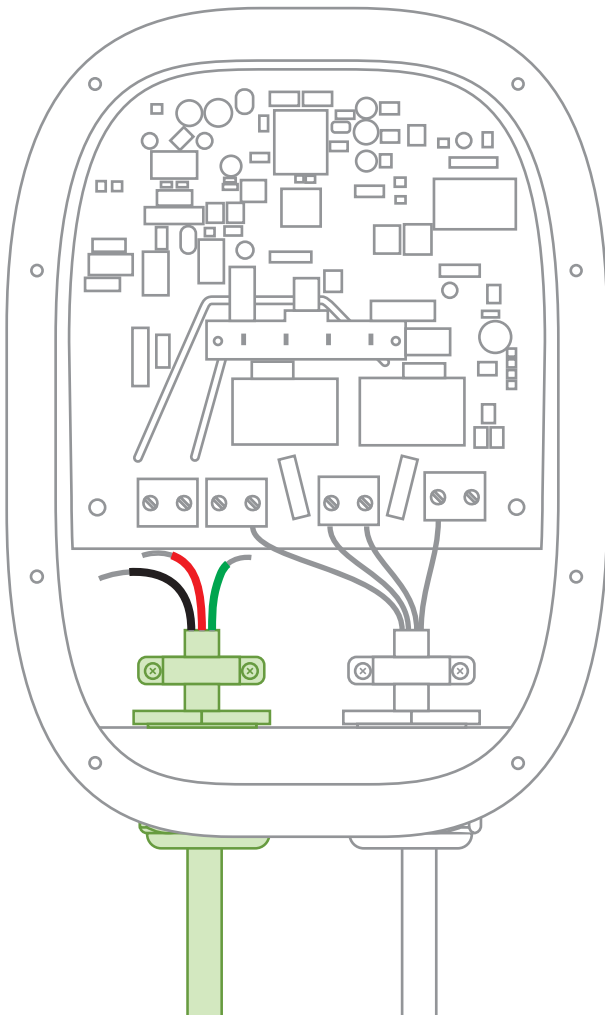
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Step 4: Hardwired instructions for electricians



Unscrew the screws to remove the clamp securing NEMA cable. Then, remove the NEMA cable from the assembly. Finally, unscrew the nut holding the cable gland in place and remove it from the assembly.



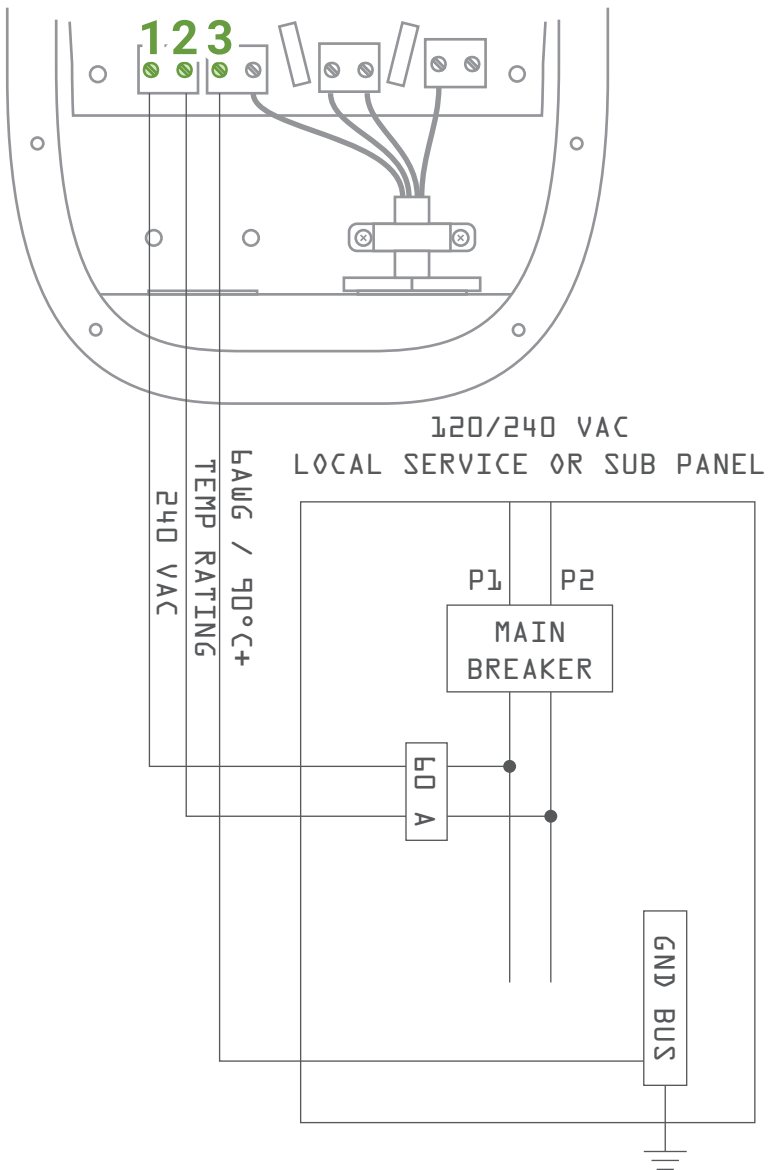
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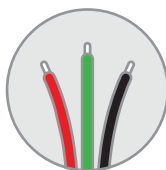
Step 5: Hardwired instructions for electricians



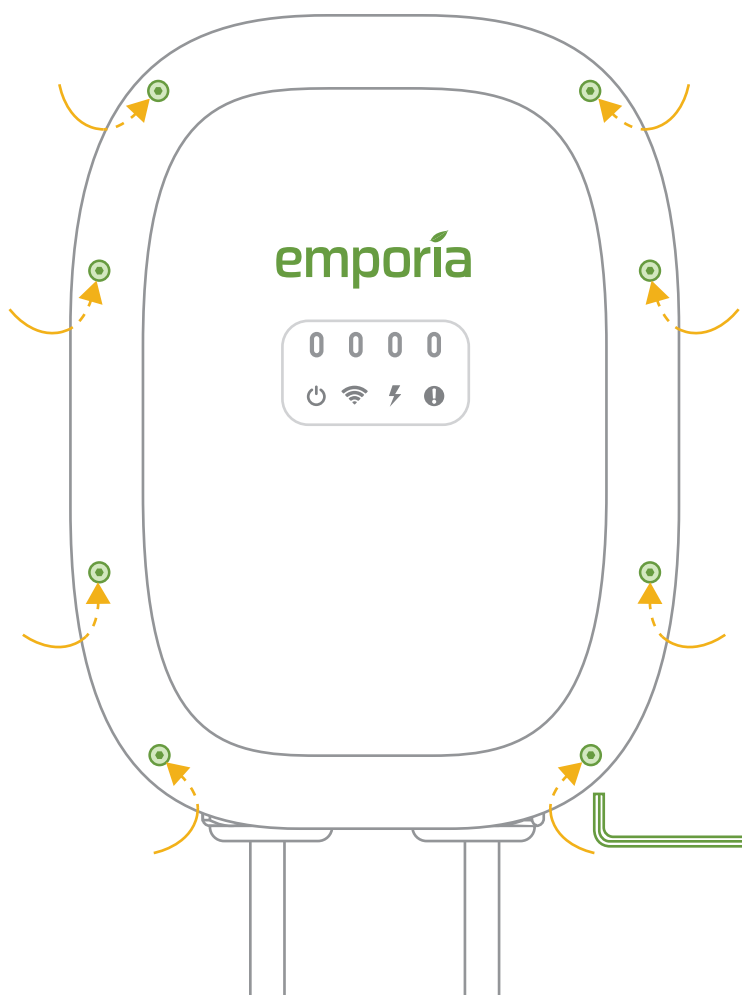
Using 1-¼" conduit and proper fittings for the connections, use 90°C wire, 6 AWG copper for setting 48A rating from both phases of the breaker along with a ground/earth lead into the EV Charger assembly. Insert the phase 1 lead into terminal 1, the phase 2 lead into terminal 2, and the ground into terminal 3 and secure them with the screws, **applying a tightening torque of 1.2 Nm.**



Step 6: Hardwired instructions for electricians



Gently reattach the cable to the cover and the circuit board. Then, from the back of the EV Charger, use the Allen wrench to replace the 8 screws to reattach the front cover.



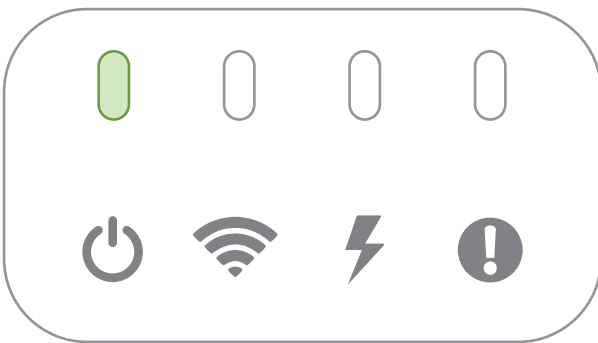
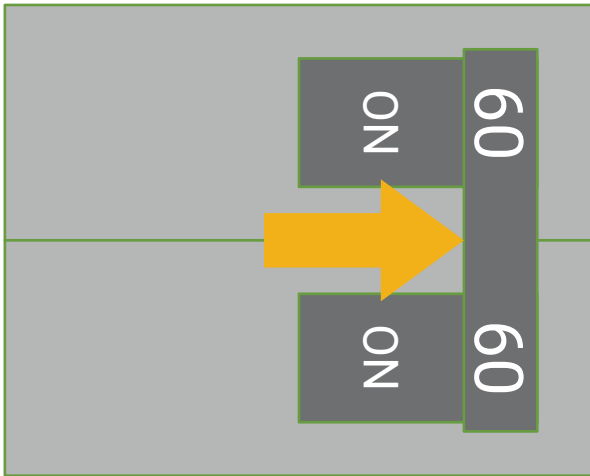
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Step 7: Hardwired instructions for electricians



Turn on the breaker and ensure that the power light on the front of the EV Charger is illuminated.



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