

40 Amp Portable EV Charger

USER MANUAL



Contents

Safety Precautions	2
What's Included	3
How to Install	4
LED Indicators	5
LED Status	5
Charging Your Vehicle	6
Troubleshooting	8
Specifications	9
Get More Support	10

Safety Precautions

- It is recommended that electrical outlets for your charger should be installed by a licensed and qualified electrician. To avoid serious injury or death, installation must comply with the provisions of the National Electric Code (NEC) and all local codes. If there are conflicts between local codes and the NEC, local codes shall take precedence.
- This product must be grounded. In case of a malfunction or breakdown, grounding can help reduce the risk of electric shock. This product includes a cord that is equipped with a grounding conductor and a grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.
- **SHOCK HAZARD** - Make sure the plug is fully inserted into the wall outlet to avoid any exposed metal surfaces.
- Do not leave children unattended or unsupervised around chargers or other power outlets or devices.
- **DO NOT DROP THE CHARGER OR HANDLE.**
- If the output plug is separated from the charger module or the charging handle, **DO NOT ATTEMPT TO REPAIR THE CABLE YOURSELF.** For assistance, contact Customer Service at: contact@ev-lectron.com
- When using your charger, basic precautions should always be followed, including:
 - Read warnings on the charger-cord label before operating the charger for the first time.
 - Read all instructions in this guide before using the charger.
 - Never use the charger with non-approved power adapters or other power components.

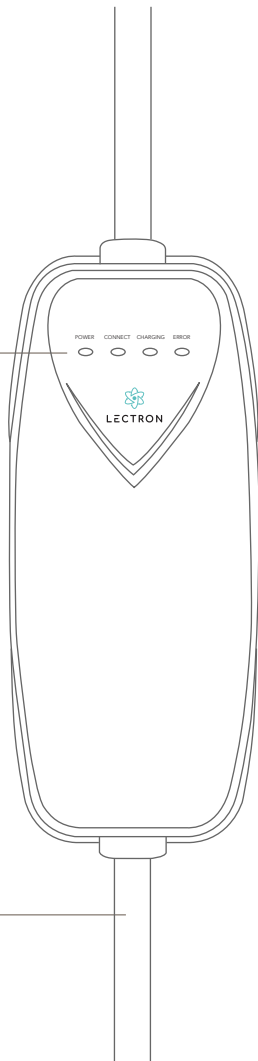
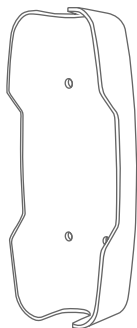
What's Included

40 Amp portable EV charger

LED status light

Cable (16 ft)

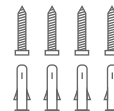
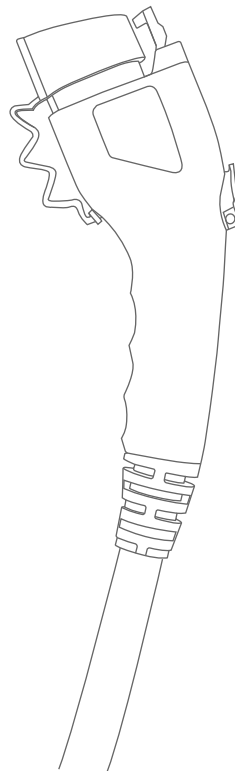
Mounting plate





Charging handle (J1772)

Release button

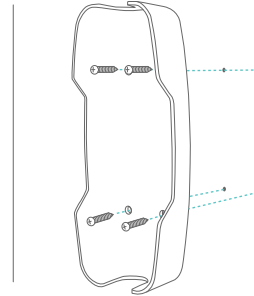
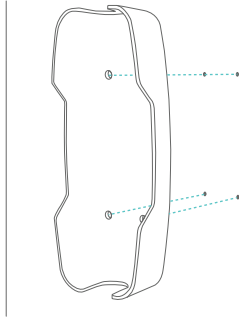
Set of screws and anchors



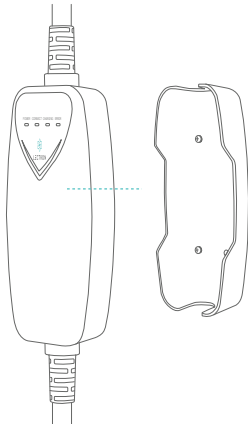
Compatibility	
 NEMA 14-50 (240 V)	 J1772 Plug

How to Install

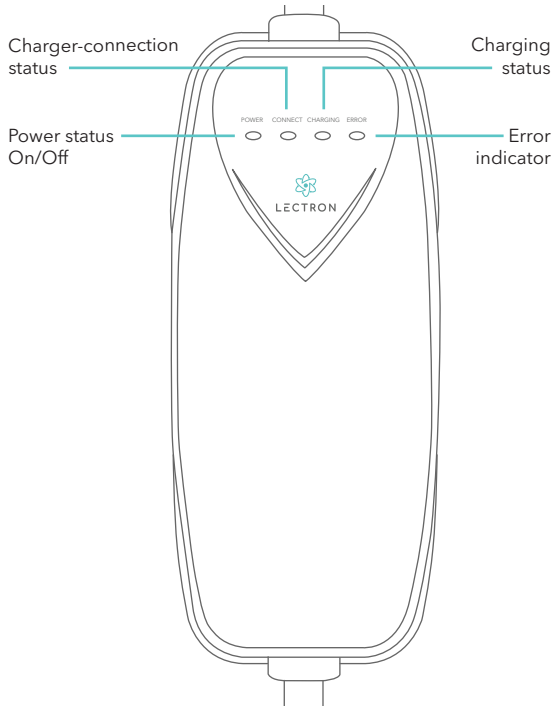
1. Using the provided mounting plate to guide your installation, drill four holes in a stable wall or stud. Ensure the mounting plate is vertically aligned and positioned, as in the diagram, below.
2. After inserting the wall anchors into the drilled holes, align and secure the mounting plate to the wall using the provided screws.



3. Clip the charger to the mounting plate.



LED Indicators



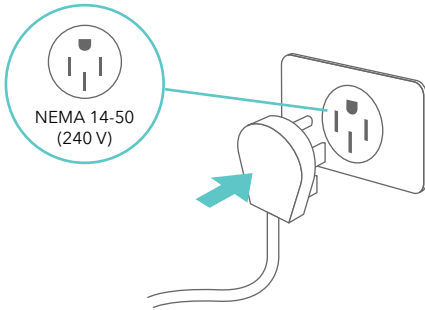
LED Status

Function Status	LED Status			
	Power (red)	Connect (blue)	Charging (green)	Error (yellow)
LED displays	On -	Flashing -	Off -	
Normal status light				
Has power, not connected				
Connected, not charging				
Charging				
Charging complete				
Communication error				
Surge-voltage protection				
Low-voltage protection				
Surge-current protection				
Leakage protection				
High-temperature protection				
Current fault / short circuit				
Ground fault				

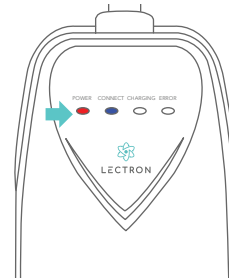
Charging Your Vehicle

NOTE: Ensure your car is parked and the engine is turned **OFF**.

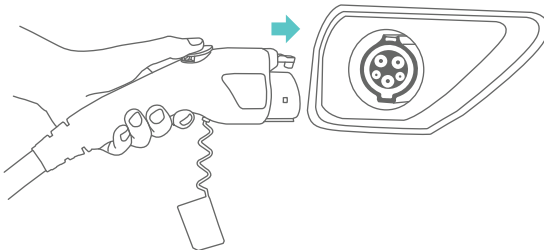
1. Insert the charger into an appropriate wall outlet.



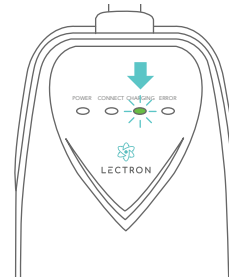
2. The Power and Connected lights will light up and stay solid, which means the charger is receiving AC power and is ready for use.



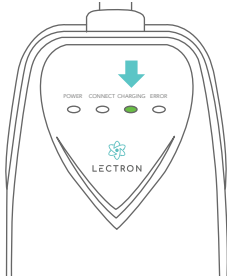
3. Plug the charging handle into your vehicle's charging outlet until it clicks. Once latched, the charging handle will not disengage until you press the release button.



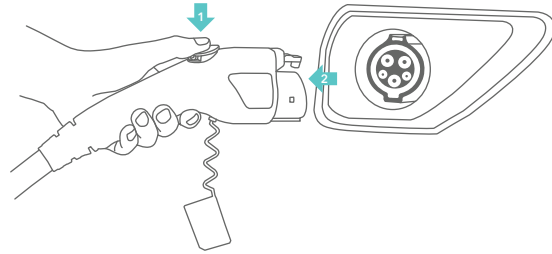
4. Charging begins automatically. Power will be delivered in accordance to the demand of your vehicle. While charging, the Charging Indicator will continuously blink. Always verify your vehicle-charging status by checking the vehicle panel.



5. When your vehicle is fully charged, the Charging Indicator light will stay solid. Your vehicle has a "dashboard gauge", which also shows if your vehicle is fully charged. Refer to your vehicle user manual to find the location of the gauge on the dashboard.



6. Disconnect the charger when the charge is completed by pressing the release button on the charging handle and separating it from your vehicle.



NOTE: 240 V AC Operation - the charger requires either a 240 V AC split phase, or a 208 V AC two-phase dedicated circuit. It draws a maximum of 40 Amp continuous current.

Troubleshooting

Please refer to this troubleshooting guide to fix common charging errors or while using the portable charger.

Problem	Possible Cause	Solution
Charging Indicator does not illuminate	No power to the charger.	<ol style="list-style-type: none"> 1. Check the circuit breaker and other circuit loads. 2. Try another wall outlet. 3. Ensure that the charger module (and adapter if operating in 240 V AC mode) is fully inserted into the wall outlet.
		Contact Lectron Customer Support at contact@ev-lectron.com for assistance.
Vehicle will not charge	Charging handle is not properly inserted into the vehicle.	<ol style="list-style-type: none"> 1. Inspect the charging handle. 2. Remove the charging handle from the vehicle, then reinsert it into the vehicle outlet until it clicks.
	Vehicle cannot accept any charge.	Verify that the vehicle charge timer is set to permit charging. Refer to the vehicle user manual for charge timer instructions.
	Communication error between the charger and vehicle.	Contact Lectron Customer Support at contact@ev-lectron.com for assistance.
	Above the temperature limit. Cases: <ol style="list-style-type: none"> 1. Temperature is too high. The charger will restart charging when it cools down. 2. House/socket wiring may be faulty. 	<ol style="list-style-type: none"> 1. Inspect the charger module for overheating: <ol style="list-style-type: none"> a. Carefully unplug the charger module from the wall outlet and allow it to cool. b. If the problem continues, contact Lectron Customer Support at contact@ev-lectron.com for assistance. 2. Disconnect the charger from the wall outlet. 3. Have a qualified electrician inspect the wall outlet and adapter.
Error Indicator is blinking rapidly	Utility fault.	<ol style="list-style-type: none"> 1. Disconnect the charger module from the wall outlet and reconnect it. 2. If the problem continues, have a qualified electrician inspect the ground circuit of the wall outlet.

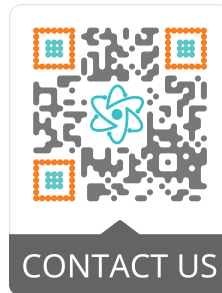
Specifications

Rated current:	40 Amp
Input/output:	208 - 240 V AC
Frequency:	50/60 Hz
Cable length:	16 ft (5 m)
Plug:	NEMA 14-50
EV charging handle:	SAE - J1772
Dimensions:	11 x 4 x 2.3 in (280 x 104 x 59 mm)
Weight:	10.58 lb (4.8 kg)
Operating temperature:	-22 °F to +122 °F (-30 °C to +50 °C)
Material:	PC
Control-box water resistance:	IP65
Charging handle water resistance:	Type 3R
Reference standard:	UL2594, UL2251, SAE J1772, UL2231



Get More Support

Scan the QR code below or email us at contact@ev-lectron.com



LECTRON

www.ev-lectron.com

Made in China