



40 AMP

Portable EV Charger

USER MANUAL



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WHAT'S INCLUDED

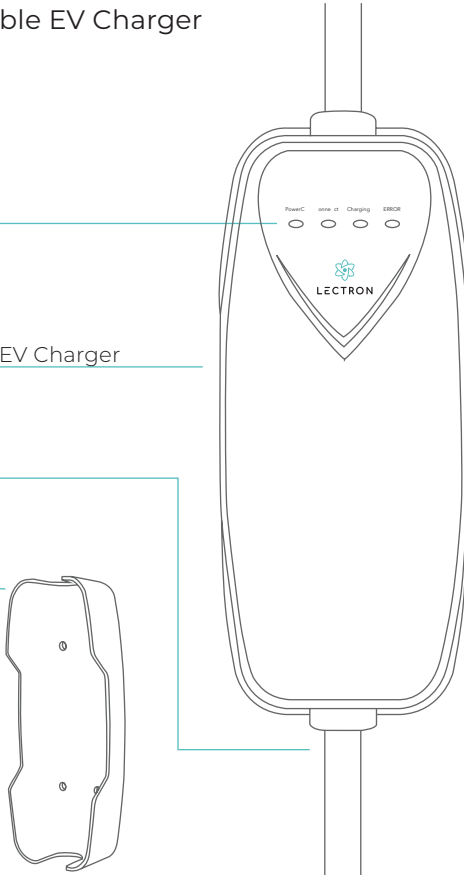
40 Amp Portable EV Charger

LED indicators

40 Amp Portable EV Charger

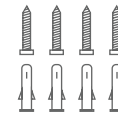
Cable (16 ft)

Mounting plate





Charging handle (J1772)

Release button



Screw + anchor set

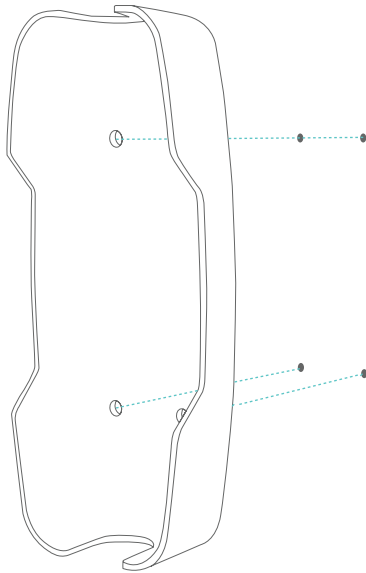
Compatibility	
 NEMA 14-50 (240 V)	 J1772 Connector

SAFETY INSTRUCTIONS

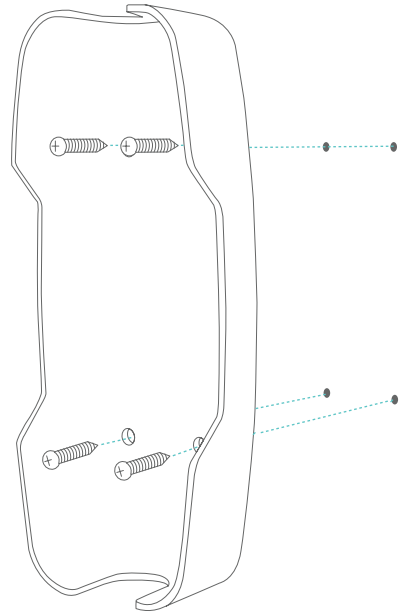
- For optimal safety and compliance, we highly recommend that a licensed and qualified electrician perform the installation of electrical outlets for the charging station. This installation should strictly adhere to the National Electric Code (NEC) and all applicable local codes, with local codes taking precedence in case of conflicts.
 - Connect the provided grounding conductor and plug to a properly installed and grounded outlet to reduce the risk of electric shock.
 - Do not drop the charging station or handle.
 - Do not attempt cable repair. Contact customer support at **contact@ev-lectron.com** for assistance.
- Follow these precautions when using the charging station:
 - Do not use with an extension cord or any AC adapter.
 - Ensure the plug is fully inserted into the wall outlet to prevent exposed prong surfaces.
 - Supervise children when the station is plugged in.
 - Only connect to a circuit with a maximum of 50 amps branch circuit overcurrent protection to minimize the risk of fire.

INSTALLATION GUIDE

1. Use mounting plate as a guide to drill four holes in a stable and secure wall or stud. Ensure the mounting plate is vertically aligned and positioned, as in the diagram, below.

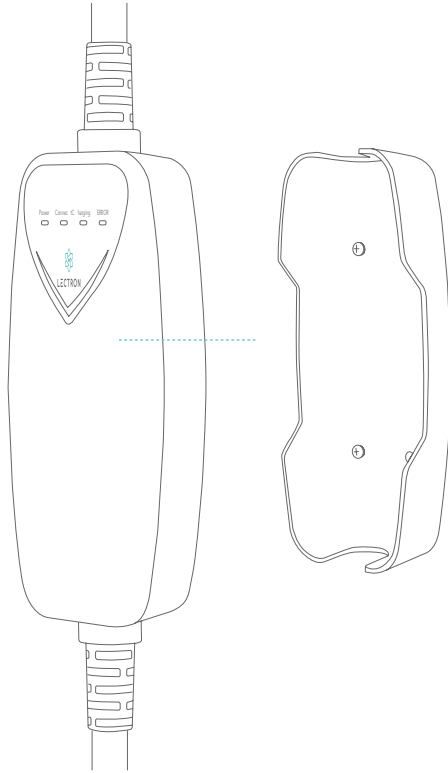


2. After inserting the wall anchors into the drilled holes, align and secure the mounting plate to the wall using the provided screws.

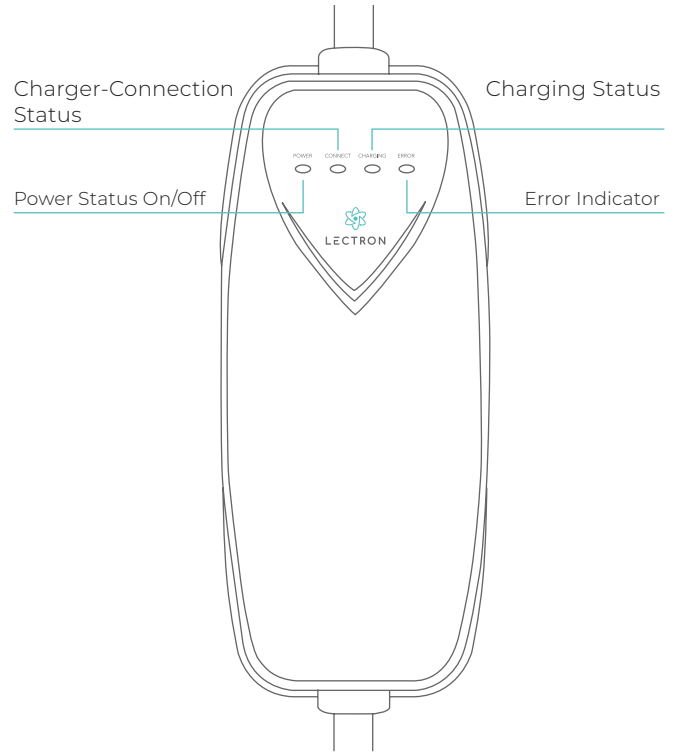


INSTALLATION GUIDE
































3. Attach the charger to the mounting plate by clipping it into place.


























LED INDICATORS



LED DISPLAY SETTINGS

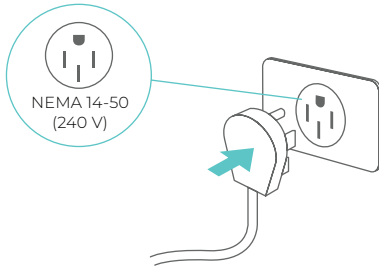
Function Status	LED Status			
	Power (red)	Connection (blue)	Charging (green)	Error (yellow)
LED Displays	On -  Flashing -  Off - 			
Power on				
Has power, not connected				
Connected, not charging				
Charging				
Charging complete				
Communication error				
Over-voltage protection				

Function Status	LED Status			
	Power (red)	Connection (blue)	Charging (green)	Error (yellow)
LED Displays	On -  Flashing -  Off - 			
Under-voltage protection				
Over-current protection				
Leakage protection				
High-temperature protection				
Relay adhesion				

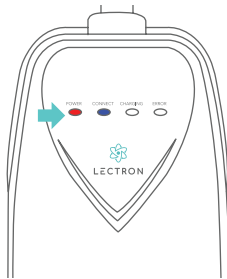
CHARGING YOUR VEHICLE

Important: Prior to charging, ensure your vehicle is parked and turned off.

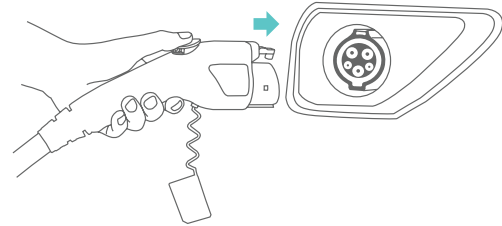
1. Insert the charger into an appropriate wall outlet.



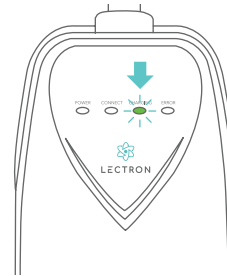
2. The Power and Connected lights will light up and stay solid, which means the charger is receiving AC power and is ready for use.



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.

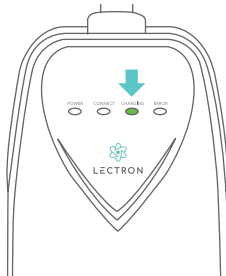


4. Charging begins automatically. Power will be delivered in accordance with your vehicle's demand. While charging, the Charging Indicator will continuously blink. Always verify your vehicle's charging status by checking the vehicle panel.

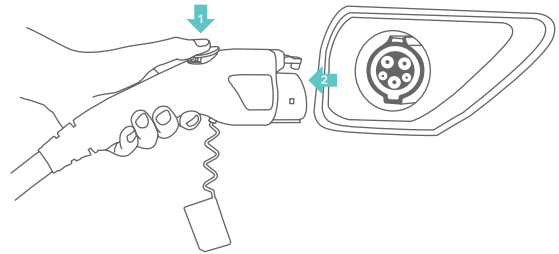


CHARGING YOUR VEHICLE

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 VAC Operation - the charger requires either a 240 VAC 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.	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	1. Inspect the charging handle.
		2. Remove the charging handle from the vehicle, then reinsert it into the vehicle outlet until it clicks.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Vehicle not charging.	Vehicle cannot accept charge.	Verify that the vehicle charge timer is set to allow 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: 1. Temperature is too high. The charger will restart charging when it cools down. 2. House/socket wiring may be faulty.	1. Inspect the charger module for overheating: a. Carefully unplug the charger module from the wall outlet and allow it to cool. b. If the problem persists, 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.	1. Disconnect the charger module from the wall outlet before reconnecting. 2. If the problem persists, have a qualified electrician inspect the ground circuit of the wall outlet.

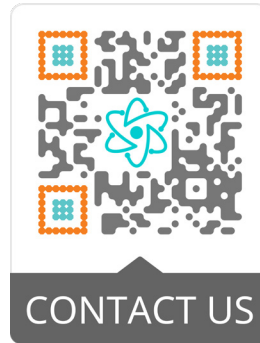
SPECIFICATIONS

Rated current:	40 Amp
Max. input / output:	240 V
Frequency:	50/60 Hz
Cable length:	16 ft (5 m)
Plug:	NEMA 14-50
EV connector:	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 4
Reference standard:	UL2594, UL2251, SAE J1772, UL2231



GET MORE SUPPORT

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



L E C T R O N

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