



LEVEL 1/2(12A/40A) NACS PORTABLE CHARGER

USER MANUAL



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DISCLAIMER

This user manual contains crucial instructions for the proper installation and operation of this product. Please read the manual thoroughly before using the device and keep it for future reference. The information and specifications provided are accurate at the time of publication. Details may change without prior notice due to ongoing product enhancements. Damages resulting from customized installations or programs not outlined in the user manual, or failure to adhere to the recommendations provided, void warranty and liability.



IMPORTANT SAFETY INSTRUCTIONS

INSTALLATION:

Electrical outlets for your charger should be installed by a licensed and qualified electrician to comply with the National Electric Code (NEC) and local codes. In case of conflicts, local codes take precedence.

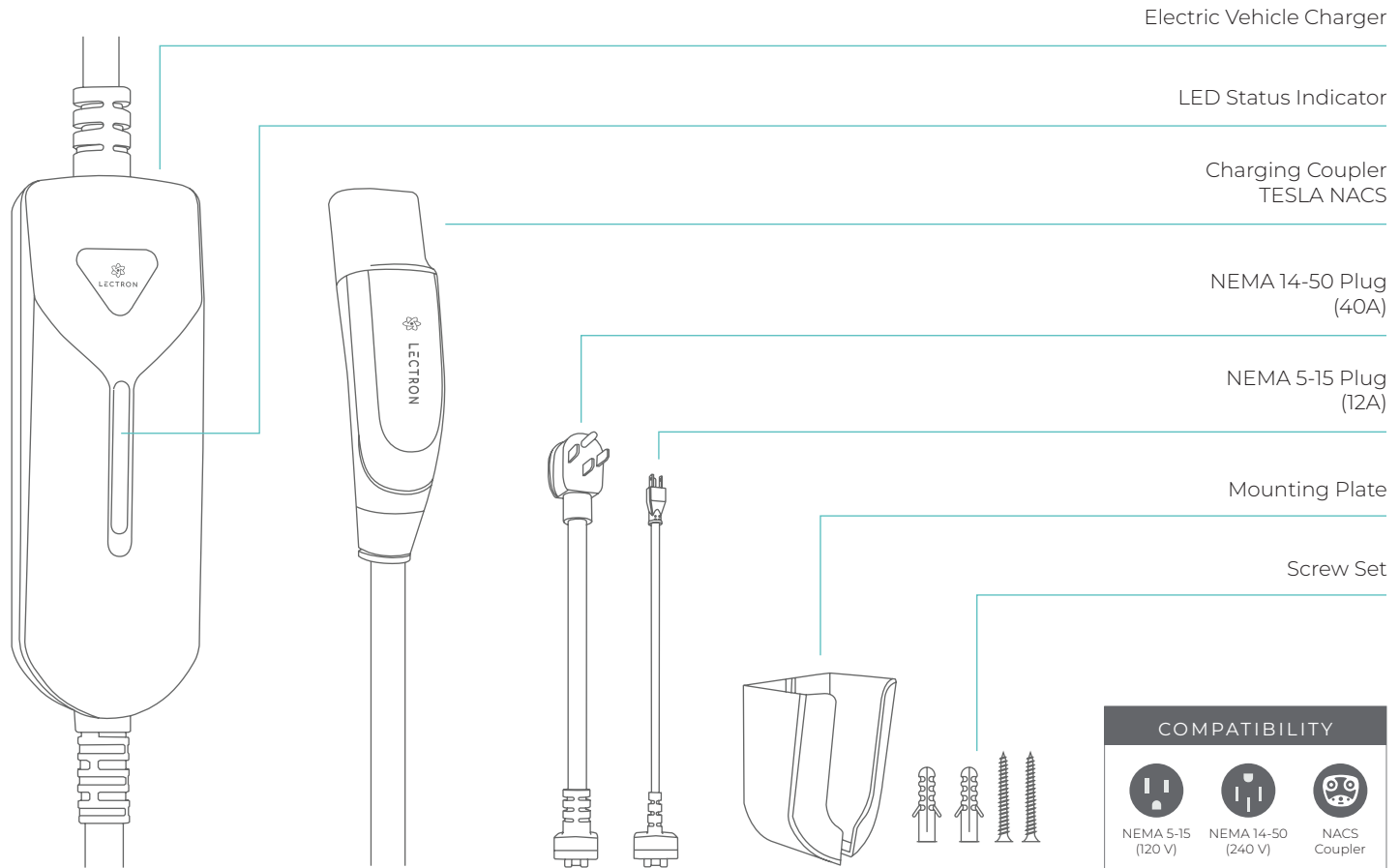
SAFETY GUIDELINES:

- Ground the product to reduce the risk of electric shock in case of malfunction.
- Avoid dropping the charger or coupler.
- Contact Lectron Customer Support at **contact@ev-lectron.com** for usage guidelines, maintenance, or repairs.

PRECAUTIONS:

- Read warnings on the charger cord label and all instructions in this guide before use.
- Do not insert fingers into the electric vehicle connector.
- Do not use if the power cord or EV cable is damaged.
- Never use with an extension cord or AC adapter.
- Ensure the plug is fully inserted into the wall outlet to prevent shock hazards.
- Supervise children near a plugged-in charger.
- Handle the equipment with care during transportation to prevent damage.
- Store the product in a clean, low humidity environment, away from moisture or water.

PRODUCT OVERVIEW



LED STATUS INDICATORS

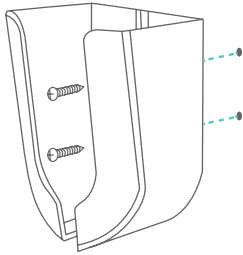
Status indications are displayed on the LED light at the front face of the charger.

FUNCTION & STATUS INDICATION

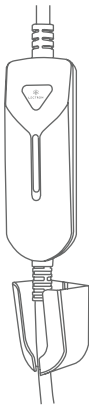
FUNCTION STATUS	LED COLOR				LED BEHAVIOR
	(Green)	(Blue)	(Yellow)	(Red)	
Normal status light					Displays normal status LED rolling from bottom to top.
Power connected, not charging					Blue LED is always on
Connected, not charging					LED moves in a rolling pattern from bottom to top
Charging: 12A					LED moves in a rolling pattern for 2 seconds from bottom to top
Charging: 40A					LED moves in a rolling pattern for 0.5 seconds from bottom to top
Charging complete					Green LED is always on
Communication error (CP voltage abnormality)					Red LED is always on
Overcurrent protection					LED flashes one time, pauses for one second, then cycles on and off
Leakage protection					LED flashes two times, pauses for one second, then cycles on and off
Relay malfunction					LED flashes three times, pauses for one second, then cycles on and off
Over/Under voltage protection					Yellow LED is always on
High-temperature protection					LED flashes one time, pauses for 1 second, then cycles on and off
Ground fault					LED flashes two times, pauses for 1 second, then cycles on and off

MOUNTING THE CHARGER

1. Align the mounting plate with the holes on the wall.



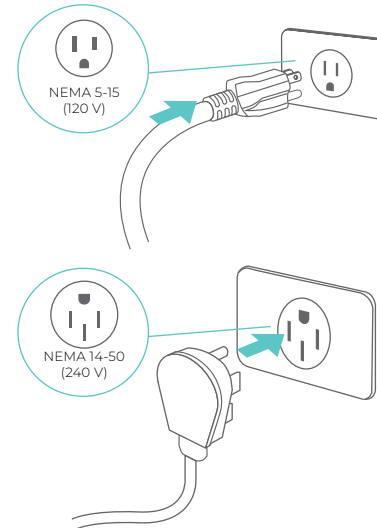
2. Insert the wall anchors into the holes.
3. Attach the charger with the mounting plate, anchors, and fix it to the wall using the screws provided.
4. Attach the charger to the mounting plate.



CHARGING YOUR VEHICLE

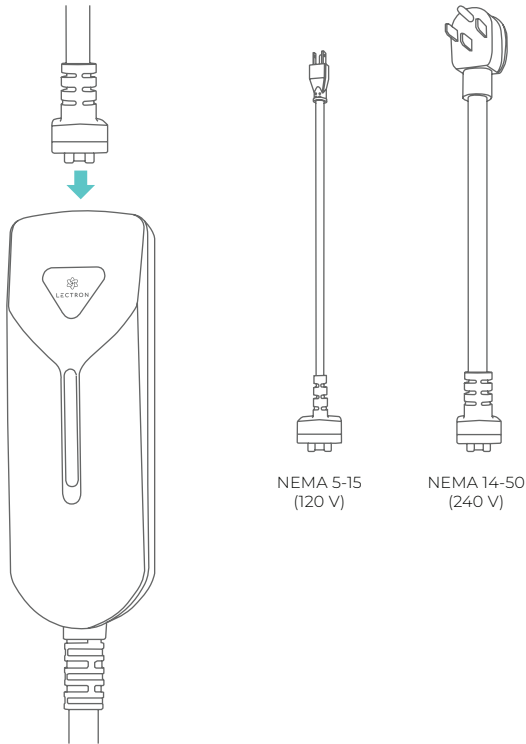
Note: Ensure that the car is parked and the engine is turned off.

1. Selecting a NEMA plug.
 - Choose the NEMA plug that matches your wall outlet type and desired current.
 - Insert the plug into the wall outlet firmly.

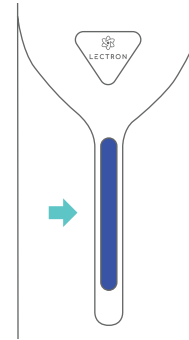


2. Connecting the NEMA plug to the charger.

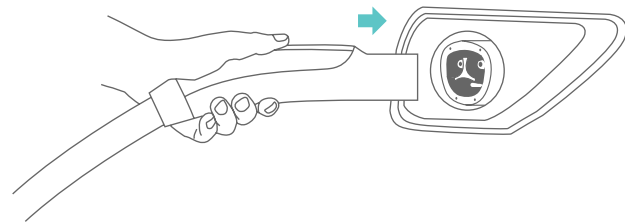
- Push the plug straight into the socket until it is securely connected.
- Important: Make sure the plug is completely inserted.



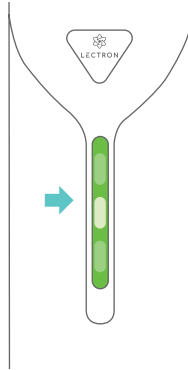
- ## 3. The LED indicator will illuminate and stay solid blue, indicating that the charger is receiving AC power and is ready for use.



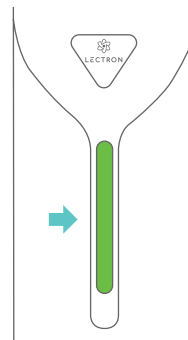
- ## 4. Plug the charger coupler into your vehicle's charging port until it clicks. Once latched, the charger coupler will not disengage until the release button is manually pressed. The indicator lights will then turn to rolling blue.



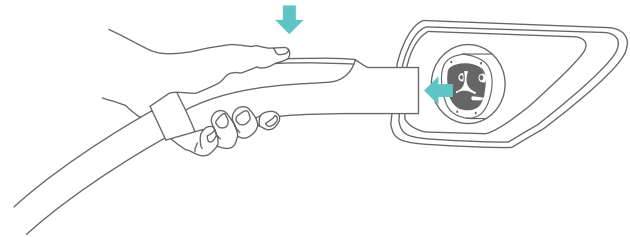
5. Charging begins automatically. During charging, the indicator light will display rolling green. Charging duration is dependent on the current.



6. When the vehicle is fully charged, the indicator lights will turn solid green. Check the onboard dashboard to confirm full charge.



7. Disconnect the charger when the charge is complete by pressing the release button on the charger coupler and removing it from the vehicle.



TROUBLESHOOT

Use this guide to fix common issues while charging your vehicle.

Problem	Possible Cause	Solution
Charging Indicator doesn't light up	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 is fully inserted into the wall outlet.
	Charger problem	Contact Lectron Customer Support at contact@ev-lectron.com for assistance.
Vehicle won't charge	Vehicle not ready to charge	Check the vehicle's charge timer settings. Refer to the owner's manual for instructions.
	Communication error	1. Check charger connection. 2. Try unplugging and replugging the charger.
Over/Under voltage	AC input voltage outside of range	If the voltage is over 276Vac or under 187Vac for a short time, wait for the grid to recover to the normal voltage range.
Overcurrent	AC input current outside of range	1. Disconnect the overcurrent protection switch from the distribution box. 2. Check for a low impedance connection between the two output cables.
Over temperature	Internal charger temperature is too high	1. Wait for charger to cool. 2. Ensure charger environment is below 130°F.
	House or socket wiring may be faulty.	Have a qualified electrician check the wiring.
Leakage protection	Abnormal sensor for detecting leakage current	1. Disconnect the leakage/overcurrent protection switch from the distribution box. 2. Check whether the output cables are damaged or have a low impedance connection to the ground. 3. After troubleshooting the above issues, reset the distribution box and restart the charger.
Ground protection	Abnormal grounding of input or output	1. Disconnect the Leakage/overcurrent protection switch from the distribution box. 2. Check if the grounding of the input/output cables of the charger is normal. 3. After troubleshooting the above issues, reset the distribution box and charger.

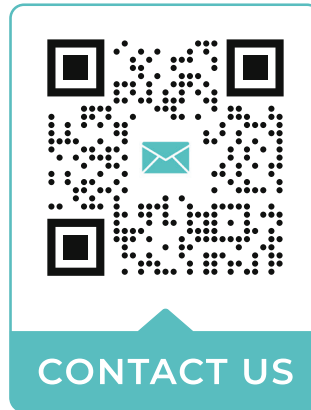
If issues persist, please contact@ev-lectron.com for assistance.

SPECIFICATIONS

Rated Charging Capacity:	1.44KW / 9.6KW
Rated Current:	12A / 40A
Input / Output Power:	120V AC (12A) / 208~240V AC (40A)
RCD:	CCID20
Standby Power:	<5W
Measuring Accuracy:	±2%
User Interface:	LED Indicator
Certificate Standard:	UL2231 / UL2594
Charging Interface:	SAE J3400
Weatherproof Rating:	ICCPD (Control Box) - Type 6
	Charger Connector - Type 3R
Housing Material:	PC
Operating Temperature:	-22° F - 122° F (-30° C - 50° C)
Product Dimensions:	11.65 x 3.78 x 2.83 in (296 x 96 x 72mm)
Weight:	8.38 lbs (3.8kg)
Plug Type:	NEMA 5-15 / NEMA 14-50

GET MORE SUPPORT

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



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www.ev-lectron.com

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