LECTRON

USER MANUAL

40A-LEVEL 2
J1772
SMART PORTABLE
EV CHARGER
(WiFi Connected with Lectron App)

40A | NEMA 14-50
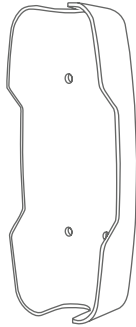Compatible with all J1772 EVs

CONTENTS

WHAT'S INCLUDED

40 Amp Portable EV Charger Compatible with SEO J1772

Mounting plate

Charging handle J1772

40 Amp portable EV charger

POWER   CONNECT   CHARGING   ERROR

LECTRON

Screw + anchor set (for mounting plate)

COMPATABILITY

NEMA 14-50 (240 V)

J1772 Connector

SAFETY INSTRUCTIONS

- 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.

ADJUSTING CHARGING CURRENT
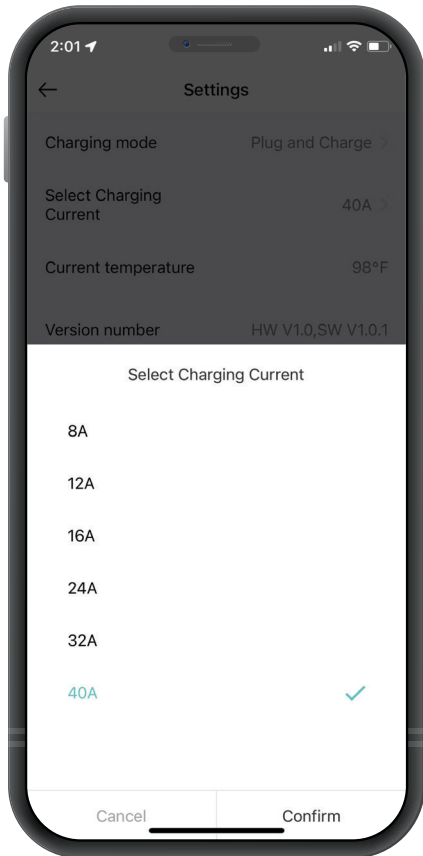
To adjust the charging current (Amps) on the 40A Portable Charger using the Lectron App:

1. Ensure that the charger is powered on. Charging current can only be adjusted through the Lectron App when the device is active.

2. Download the Lectron App for detailed control of your 40A Portable Charger (refer to page 8: "Accessing the Lectron App" for download instructions).

3. Within the app, you can select the charging current at six levels: 8A, 12A, 16A, 24A, 32A, and 40A

4. The default setting for the charging current is 40A.

LED STATUS INDICATORS

Status indications are displayed on the V-shaped LED of the V-BOX Pro Charging Station. The Power Button LED on the right-hand side of the unit indicates if the charging station is switched on.

FUNCTION & STATUS INDICATION (V-SHAPED LED)

FUNCTION STATUS	LED COLOR			
	(Red)	(Blue)	(Green)	(Yellow)
LED displays	On- ●	Flashing- ◌	Off- ○	
Normal status light	Flashing Red	Flashing Blue	Flashing Green	Flashing Yellow
Has power, not connected	On Red	Off	Off	Off
Connected, not charging	On Red	On Blue	Off	Off
Charging	On Red	On Blue	Flashing Green	Off
Charging complete	On Red	On Blue	On Green	Off
Communication error	On Red	On Blue	Off	On Yellow
Surge-voltage protection	On Red	Off	Off	Flashing Yellow
Low-voltage protection	On Red	Off	Off	Flashing Yellow
Surge-current protection	On Red	Flashing Blue	Flashing Green	Off
Leakage protection	On Red	Flashing Blue	Flashing Green	On Yellow
High-temperature protection	On Red	On Blue	On Green	On Yellow
Current fault / short circuit	On Red	On Blue	Flashing Green	On Yellow
Network error	Flashing Red — Power indicator blinks red 2 times every 4 seconds			

PORTABLE EV DIAGRAM

Charger-connection status

Charging status

Power status On/Off

Error indicator

POWER   CONNECT   CHARGING   ERROR

LECTRON
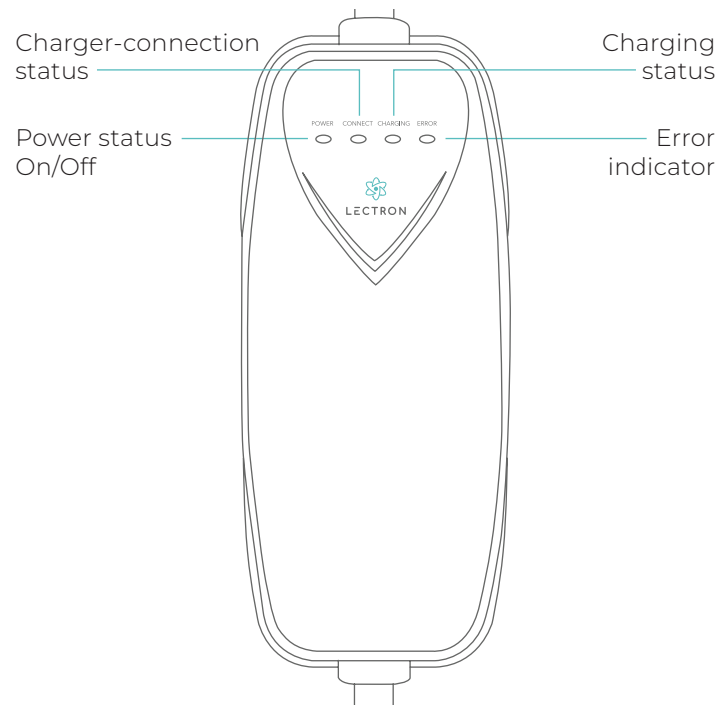
ACCESSING BLUETOOTH

1. **Enable Bluetooth Permissions**
   Ensure that Bluetooth permissions are enabled on your Apple or Android device by following these steps: Go to Settings > Bluetooth and enable Bluetooth.
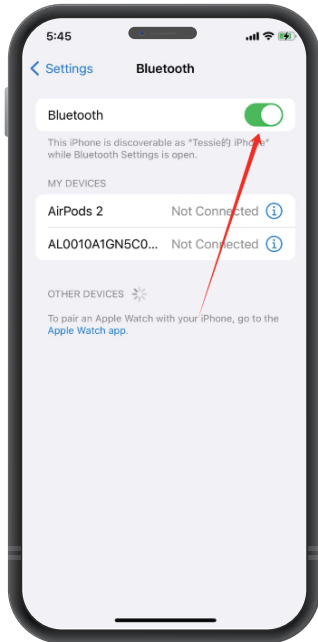
2. **Additional Steps for Android**
   If you are using an Android device, please also enable "Nearby Devices" in your Bluetooth settings to ensure proper connectivity.
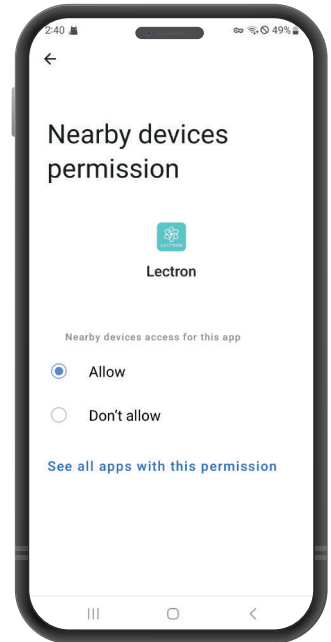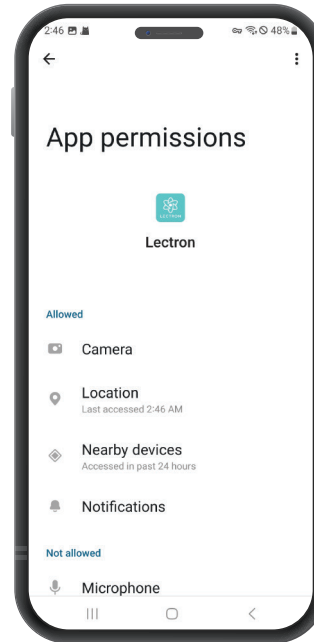
ACCESSING THE LECTRON APP

1. Scan the first QR code with your mobile device or tablet to download and access the Lectron App.

GET IT ON
Google Play

Download on the
App Store

Ⓐ Lectron APP

---

2. Download the Lectron App and tap "Create Account".
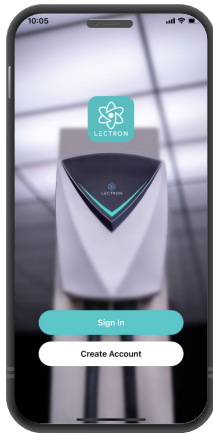
3. Register using your email, Google or Apple account.
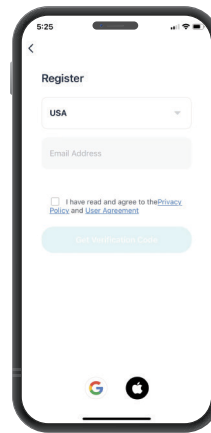
4. If you register via email, please input the verification code.
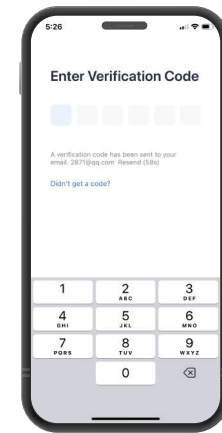
5. Set your login password.
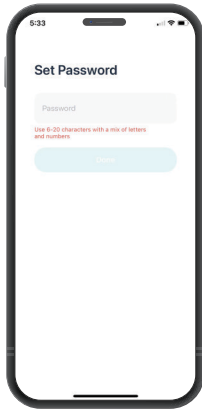
6. Access the Lectron App homescreen.
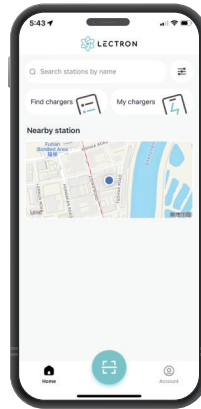
7. Tap "My chargers".
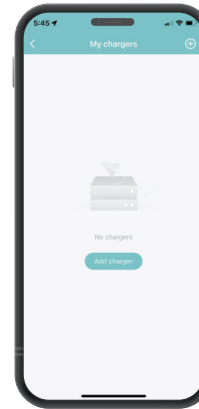
8. Tap "Add Charger" on the app and select 40A Portable Charger when prompted.
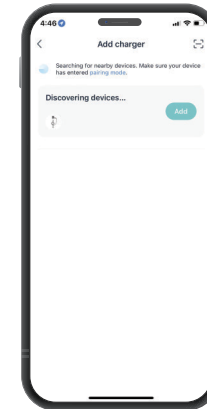
Make sure your Portable EV Charger is powered on & your phone's Bluetooth is enabled.

9. Input your WiFi network and password.
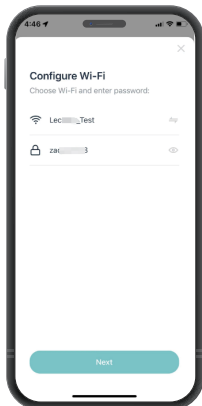
10. Once connected, your Portable EV Charger will be added to your account.
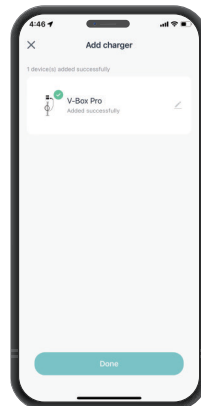
11. You can now manage your Portable EV Charger using the Lectron App.
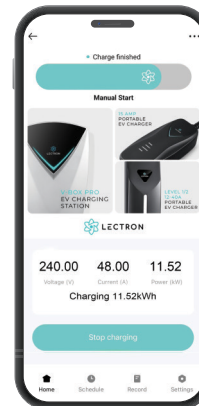
12. Scan the QR code to maximize your experience with the your Portable EV Charger.
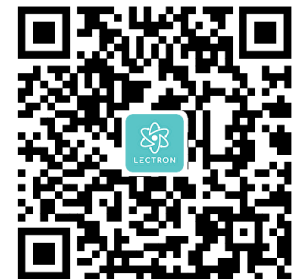
13. Scan to watch the "Add
    Device Video Guide"

Apple Device   Android Device

INSTALLATION GUIDE

1. Using the provided mounting plate to guide your installation, 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.
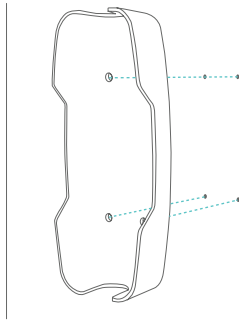
2. After inserting the wall anchors into the drilled holes, align and secure the mounting plate to the wall using the provided screws.
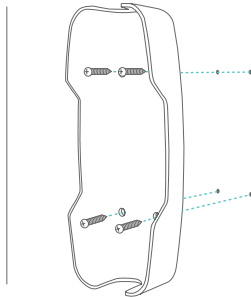
3. Clip the charger to the mounting plate.
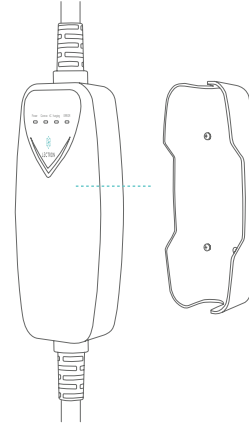
CHARGING YOUR VEHICLE

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

1. Insert the charger into an appropriate wall outlet.

NEMA 14-50
(240 V)
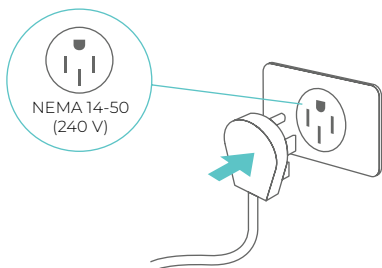
2. The Power and Connected lights will light up and stay solid, which means the charger is receiving AC power and is ready for use.
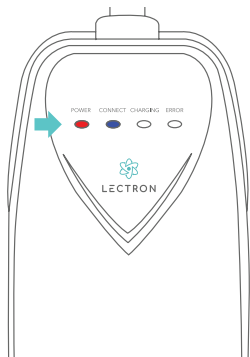
3. Plug the charging handle into your vehicle's charging outlet until it clicks. Once latched, the charging handle will not disengage until you press the release button.
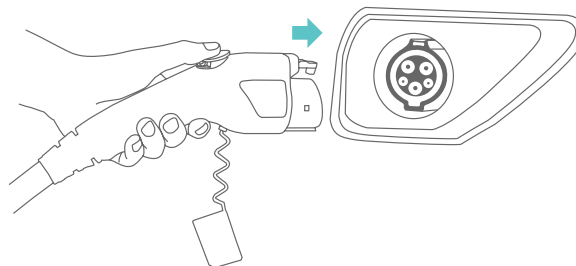
4. Charging begins automatically. Power will be delivered in accordance to the demand of your vehicle. While charging, the Charging Indicator will continuously blink. Always verify your vehicle-charging status by checking the vehicle panel.

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.
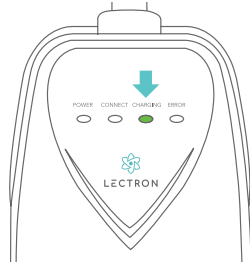
6. Disconnect the charger when the charge is completed by pressing the release button on the charging handle and separating it from your vehicle.
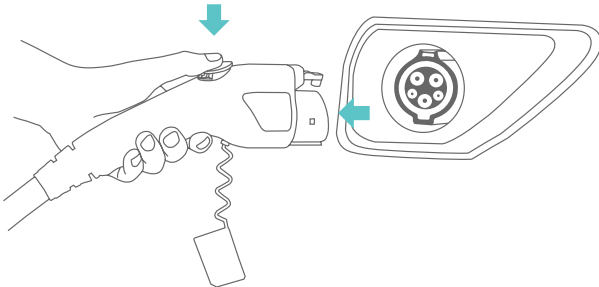
NOTE: 240 V AC Operation - the charger requires either a 240 V AC split phase, or a 208 V AC two-phase dedicated circuit.

RESETTING AND UNBINDING THE CHARGER

If you can't find the charger when adding a device through the Lectron App, you can reset and unbind the charger using the following steps:

1. **Disconnect from WiFi:** Ensure the charger is not connected to the previously configured WiFi network. If it is, disconnect the router first; otherwise, the reset will not be successful.

2. **Power Up the Charger:** Plug the charger's power cable into a **NEMA 14-50 outlet**. Do **not** connect it to the vehicle or start charging at this time.
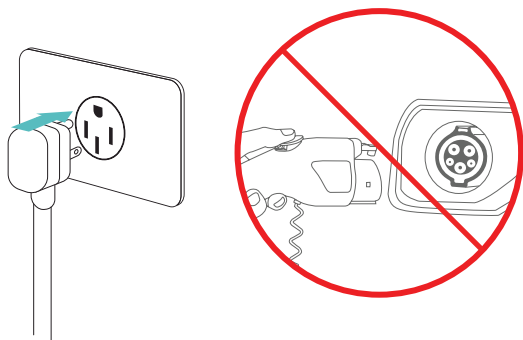
3. **Perform the Reset Sequence:**

   3.1. Plug and unplug the power cord at least seven times within 30 seconds.
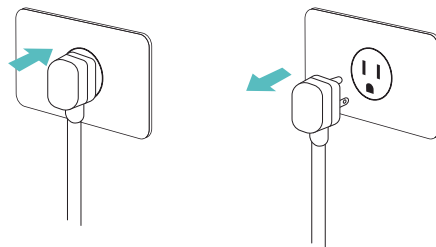
   3.2. **Important:** Each time you plug it in, wait until all four indicator lights turn on, then turn off, and finally, the power light stays on. Only then should you unplug it to count as one cycle.
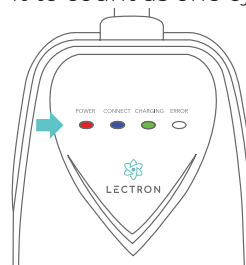
   Reminder:
   If only the power light is on and all other lights are off, it's safe to unplug the charger.

4. **Wait for Restart:** The charger will restart automatically. Once it's ready, the power indicator will **blink red twice every four seconds,** signaling that it's in **WiFi setup mode.**

5. **Reconnect in the App:** Open the **Lectron App** and go to **My Chargers > Add Charger.** The charger should now appear in the list. Follow the prompts to add the device.
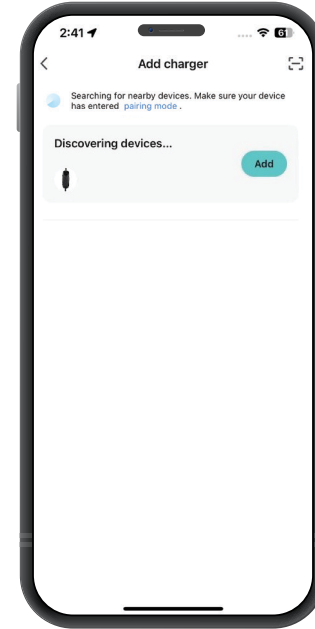
TROUBLESHOOT

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 the vehicle.	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: 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 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.	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

Maximum current:	40 A
Input / output:	208 - 240 V AC
Frequency:	50 / 60 Hz
Cable length:	16 ft
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+ABS
Control-box water resistance:	IP65
Charging handle water resistance:	Type 3R
WiFi:	802.11 b/g/n (channel 1-14) 2.4GHz
Bluetooth:	BLE5.2

GET MORE SUPPORT

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

CONTACT US

LECTRON

www.ev-lectron.com

Made in China