



## USER MANUAL

# NACS | 15A | LEVEL 1 SMART PORTABLE EV CHARGER

(WI-FI CONNECTED WITH LECTRON APP)

15 AMP | NEMA 5-15  
COMPATIBLE WITH ALL TESLA & NACS EVS

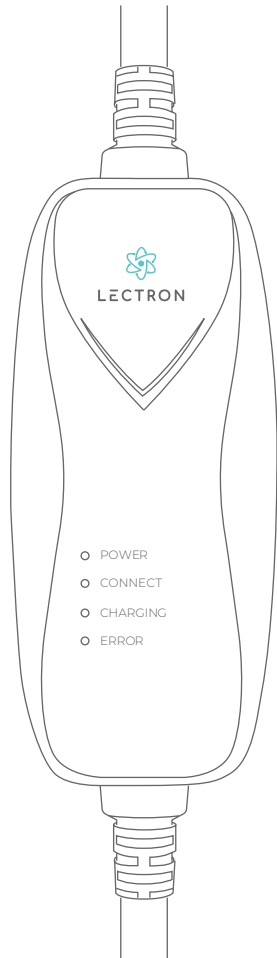


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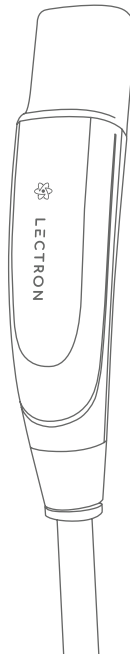
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# WHAT'S INCLUDED

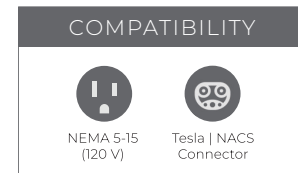
15 Amp Portable EV Charger Compatible with Tesla



15 Amp  
portable EV charger



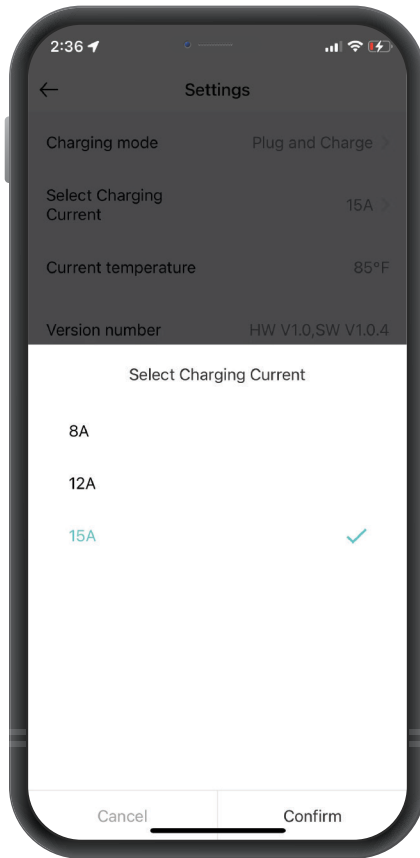
Charging handle  
Tesla | NACS



# 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](mailto: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 15A 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 15A Portable Charger (refer to page 8: "Accessing the Lectron App" for download instructions).
3. Within the app, you can select the charging current at three levels: 8A, 12A, and 15A.
4. The default setting for the charging current is 15A.

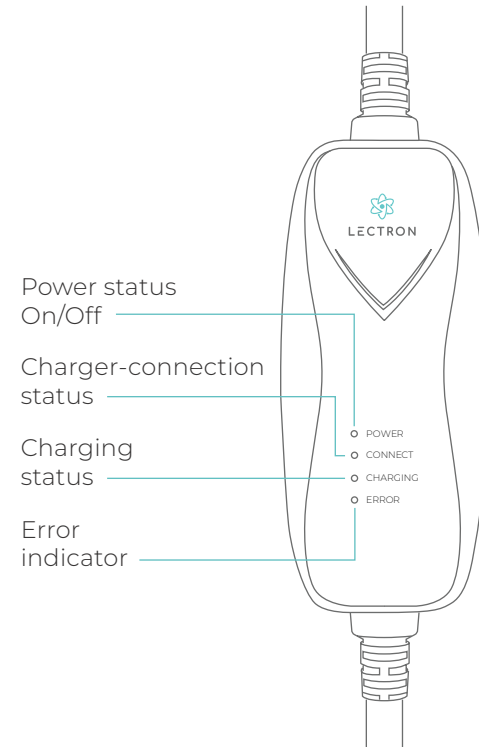
# LED STATUS INDICATORS

Status indications are displayed.

## FUNCTION & STATUS INDICATION

| FUNCTION STATUS             | LED COLOR                                                                                                                                                                                                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                             | Power (Red)                                                                                                                                                                                                                                                                 | Connect (Blue)                                                                      | Charging (Green)                                                                    | Error (Yellow)                                                                      |
| LED displays                | On -  Flashing -  Off -  |                                                                                     |                                                                                     |                                                                                     |
| Turn on and power on        |                                                                                                                                                                                            |    |    |    |
| Has power, not connected    |                                                                                                                                                                                            |    |    |    |
| Connected, not charging     |                                                                                                                                                                                            |    |    |    |
| Charging                    |                                                                                                                                                                                            |    |    |    |
| Charging complete           |                                                                                                                                                                                            |    |    |    |
| Communication error         |                                                                                                                                                                                            |    |    |    |
| Over-voltage protection     |                                                                                                                                                                                            |    |    |    |
| Under-voltage protection    |                                                                                                                                                                                            |    |    |    |
| Over-current protection     |                                                                                                                                                                                            |    |    |    |
| Leakage protection          |                                                                                                                                                                                            |    |    |    |
| High-temperature protection |                                                                                                                                                                                            |    |    |    |
| Relay Adhesion              |                                                                                                                                                                                            |    |    |    |
| Ground Fault                |                                                                                                                                                                                          |  |  |  |
| Network Error               |  Power indicator blinks red 2 times every 4 secs                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |

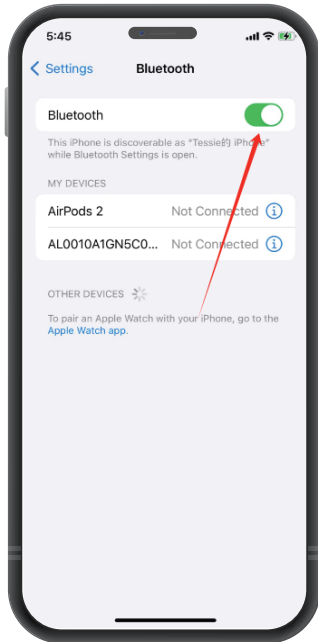
## PORTABLE EV DIAGRAM



# ACCESSING BLUETOOTH

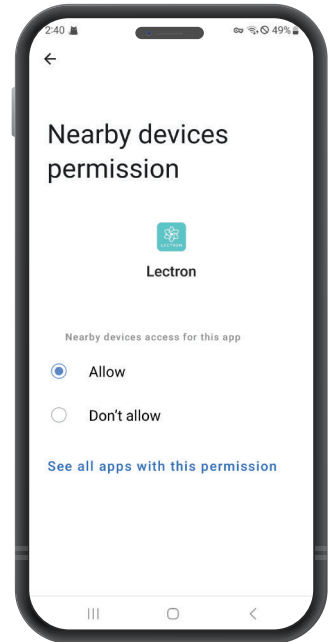
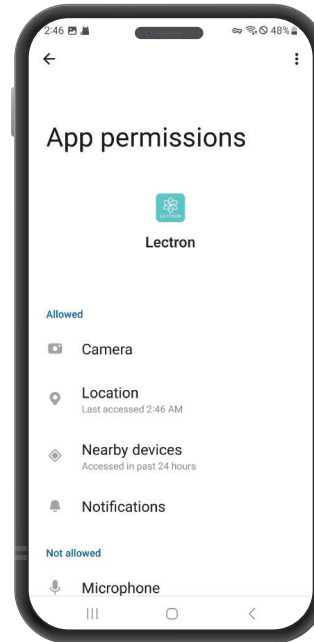
## 1. Enable Bluetooth Permissions

Ensure that Bluetooth permissions are enabled on your Apple or Android device by following these steps: Go to Settings > Bluetooth and enable Bluetooth.



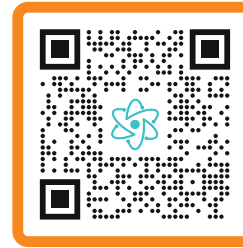
## 2. Additional Steps for Android

If you are using an Android device, please also enable "Nearby Devices" in your Bluetooth settings to ensure proper connectivity.

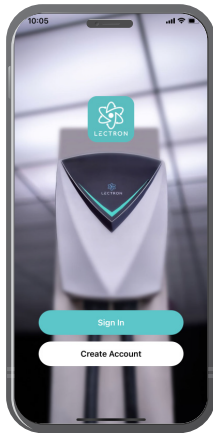


# ACCESSING THE LECTRON APP

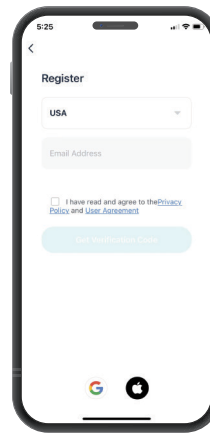
1. Scan the first QR code with your mobile device or tablet to download and access the Lectron App.



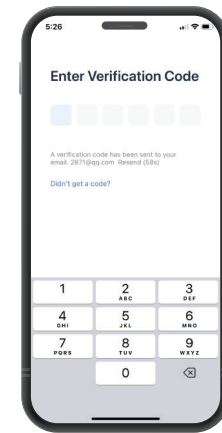
2. Download the Lectron App and tap "Create Account".



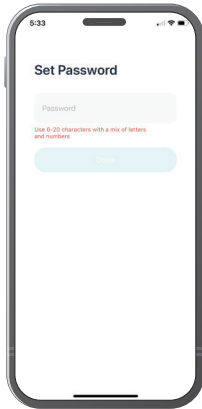
3. Register using your email, Google or Apple account.



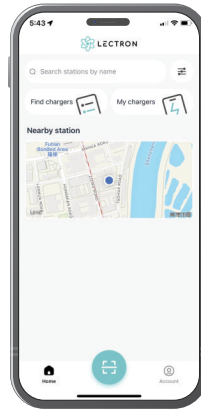
4. If you register via email, please input the verification code.



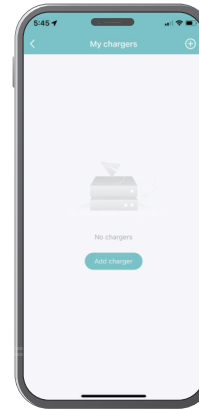
5. Set your login password.



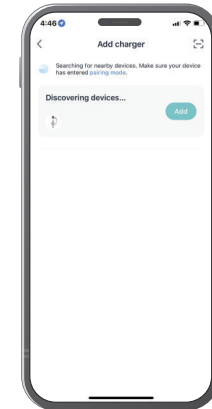
6. Access the LECTRON App homescreen.



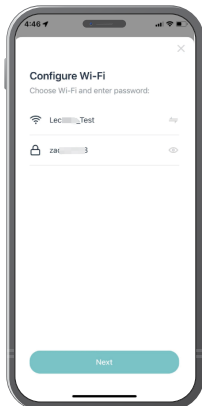
7. Tap "My chargers".



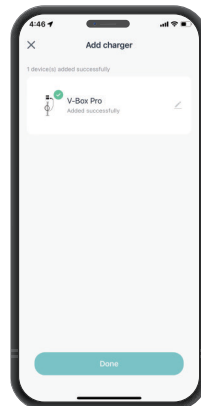
8. Tap "Add Charger" on the app and select 15A Portable Charger when prompted.



9. Input your Wi-Fi network and password.



10. Once connected, the 15A Portable Charger will be added to your account.



11. You can now manage your 15A Portable Charger using the LECTRON App.



12. Scan the QR code to maximize your experience with the 15A Portable Charger.



13. Scan to watch the “Add  
Device Video Guide”



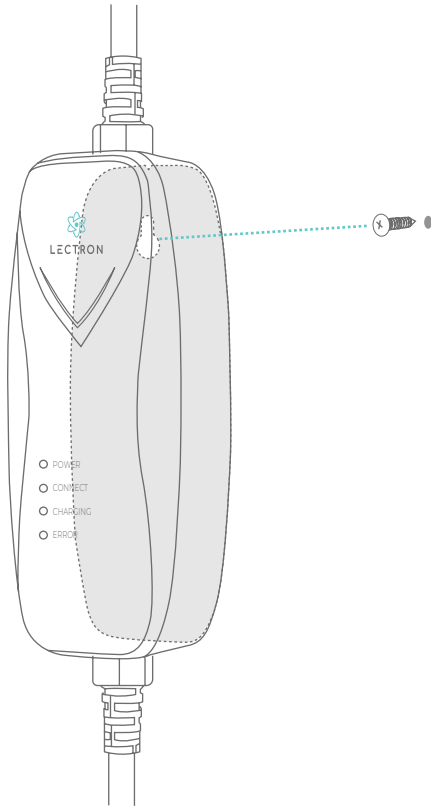
Apple Device



Android Device

# INSTALLATION GUIDE

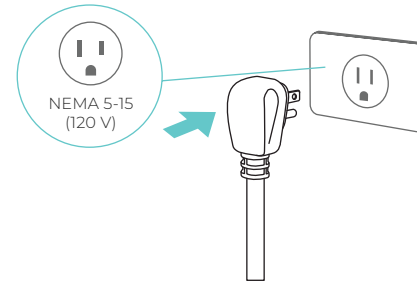
Insert the screw into the wall then hang up the device.



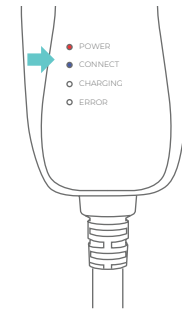
# CHARGING YOUR VEHICLE

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

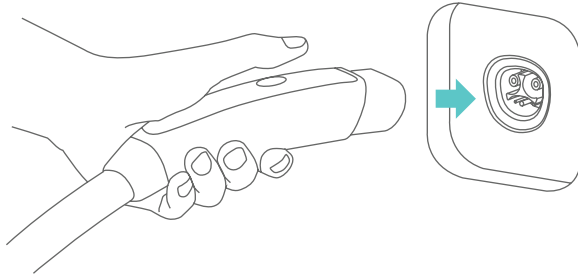
1. Insert the charger into an appropriate wall outlet.



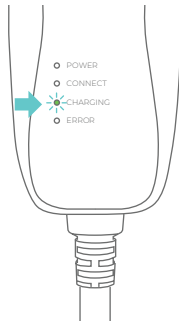
2. The Power lights will light up and stay solid, which means the charger is receiving AC power and is ready for use.



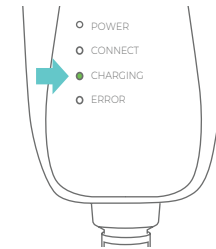
3. Plug the charging handle into your vehicle's charging outlet until it clicks. The Connected lights will light up once latched, the charging handle will not disengage until you press the release button.



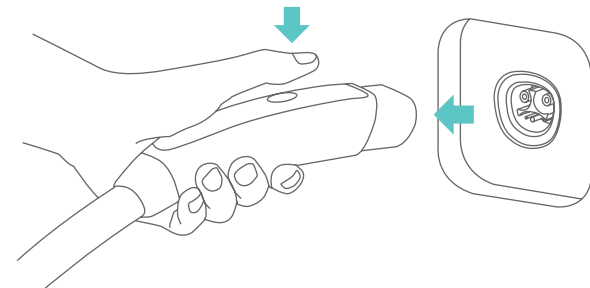
4. Charging begins automatically. Power will be delivered in accordance to the demand of your vehicle. While charging, the Charging Indicator will continuously blink. Always verify your vehicle-charging status by checking the vehicle panel.



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.

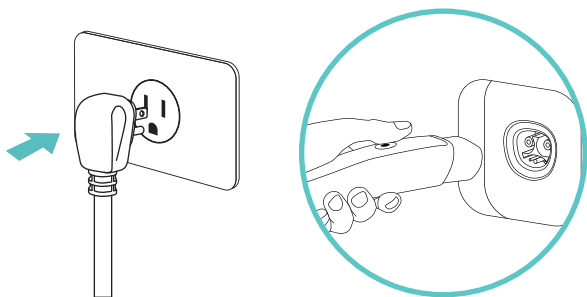


NOTE: This charger requires a 120 V AC split-phase power supply and is designed to draw a maximum of 15 Amps of continuous current.

# RESETTING AND UNBINDING THE CHARGER

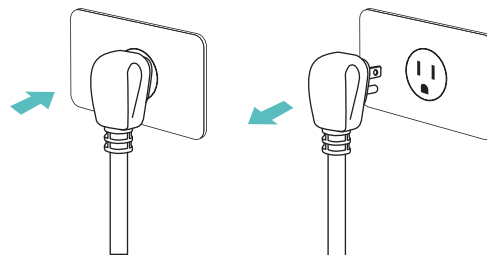
If you can't find the charger when adding a device through the Lectron App, you can reset and unbind the charger using the following steps:

1. **Disconnect from Wi-Fi:** Ensure the charger is not connected to the previously configured Wi-Fi 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 5-15 outlet. Do not connect it to the vehicle or start charging at this time.

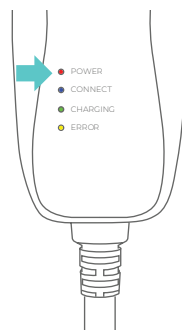


3. **Perform the Reset Sequence:**

- 3.1. Plug and unplug the power cord at least seven times within 30 seconds.



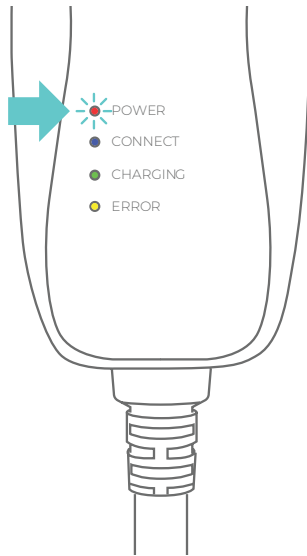
- 3.2. **Important:** Each time you plug it in, wait until all four indicator lights turn on, then turn off, and finally, the power light stays on. Only then should you unplug it to count as one cycle.



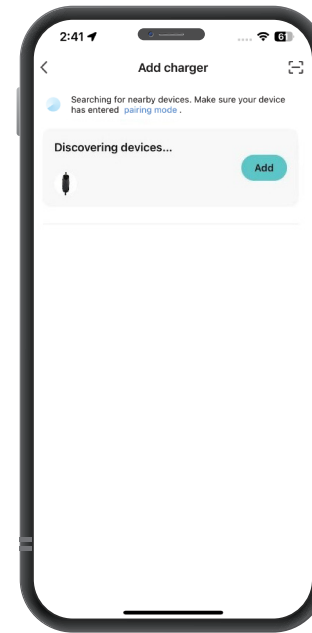
Reminder: If only the power light is on and all other lights are off, it's safe to unplug the charger.

# RESETTING AND UNBINDING 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 Wi-Fi 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.<br>2. Try another wall outlet.<br>3. Ensure that the charger module is fully inserted into the wall outlet.                                                                                                                                                                                                                                                             |
|                                        |                                                                                                                                                                              | Contact Lectron Customer Support at <a href="mailto:contact@ev-lectron.com">contact@ev-lectron.com</a> for assistance.                                                                                                                                                                                                                                                                                                        |
| Vehicle will not charge                | Charging handle is not properly inserted into the vehicle.                                                                                                                   | 1. Inspect the charging handle.<br>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 <a href="mailto:contact@ev-lectron.com">contact@ev-lectron.com</a> for assistance.                                                                                                                                                                                                                                                                                                        |
|                                        | Above the temperature limit.<br><br>Cases:<br>1. Temperature is too high. The charger will restart charging when it cools down.<br><br>2. House/socket wiring may be faulty. | 1. Inspect the charger module for overheating:<br>a. Carefully unplug the charger module from the wall outlet and allow it to cool.<br>b. If the problem continues, contact Lectron Customer Support at <a href="mailto:contact@ev-lectron.com">contact@ev-lectron.com</a> for assistance.<br><br>2. Disconnect the charger from the wall outlet.<br><br>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.<br><br>2. If the problem continues, have a qualified electrician inspect the ground circuit of the wall outlet.                                                                                                                                                                                                                                       |

# SPECIFICATIONS

|                                   |                                                 |
|-----------------------------------|-------------------------------------------------|
| Maximum current:                  | 15 A                                            |
| Input / output:                   | 120 V AC                                        |
| Frequency:                        | 50 / 60 Hz                                      |
| Cable length:                     | 16 ft                                           |
| Plug:                             | NEMA 5-15                                       |
| EV connector:                     | North American Charging Standard (NACS)   Tesla |
| Dimensions:                       | 8.1 x 3.2 x 1.6 in (20.8 x 8.2 x 4.23 cm)       |
| Weight:                           | 5.3 lb (2.4 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                                         |
| Wi-Fi:                            | 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](mailto:contact@ev-lectron.com)



**LECTRON**

[www.ev-lectron.com](http://www.ev-lectron.com)

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