

## Lectron V-Box Pro

# Lectron Tesla (NACS) V-Box Pro 48 Amp Level 2 EV Charging Station Instruction Manual

Model: V-Box Pro

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation of your Lectron Tesla (NACS) V-Box Pro 48 Amp Level 2 EV Charging Station. Please read this manual thoroughly before installation and use, and retain it for future reference.

The Lectron V-Box Pro is a powerful Level 2 EV charger designed for all Tesla models (S/3/X/Y & Cybertruck). It offers flexible charging options with multiple amperage settings (16, 32, 40 & 48A) and versatile installation choices, including NEMA 14-50 plug-in or hardwired connection.

## 2. SAFETY INFORMATION

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**WARNING: Failure to follow these safety instructions may result in fire, electric shock, serious injury, or death.**

- The Lectron V-Box Pro is UL2594 compliant for safety, FCC and Energy Star certified for efficiency, and IP65 weatherproof rated for use in challenging weather conditions.
- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Do not use the charging station if the enclosure, cable, or connector is damaged.
- Ensure the charging station is properly grounded.
- Do not immerse the charging station or its components in water.
- Keep children away from the charging station during operation.
- Do not use extension cords or adapters unless explicitly approved by the manufacturer.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- Lectron Tesla (NACS) V-Box Pro Charging Station
- 16ft Charger Cord with NACS Connector
- NEMA 14-50 Plug (pre-attached for plug-in models)
- J-Hook Mount for Cable Management
- Mounting Hardware (screws, anchors)
- Instruction Manual

## 4. SPECIFICATIONS

Feature	Specification
Brand	Lectron
Model Number	4895230323380
Amperage	48 Amps (Max)
Input Voltage	240 Volts
Wattage	11520 watts
Connector Type	NACS (Tesla) / NEMA 14-50 (Plug)
Cable Length	16 ft
Weatherproof Rating	IP65
Compatible Devices	Tesla Model S, Tesla Model 3, Tesla Model X, Tesla Model Y, Tesla Cybertruck
Item Weight	14.97 pounds
Product Dimensions	17 x 13.77 x 10.43 inches

## 5. SETUP AND INSTALLATION

The Lectron V-Box Pro offers two installation methods: NEMA 14-50 plug-in or hardwired. Ensure you have the appropriate electrical infrastructure before proceeding.

### 5.1 Mounting the Charging Station

1. Choose a suitable mounting location near your NEMA 14-50 outlet or electrical panel for hardwiring. The location should be protected from direct impact and allow for easy access to your vehicle.
2. Use the provided mounting template (if included) or measure the mounting holes on the back of the charging station.
3. Drill pilot holes and insert the appropriate wall anchors.
4. Secure the mounting bracket to the wall using the provided screws.
5. Carefully attach the charging station to the mounted bracket.

### 5.2 Electrical Connection

**IMPORTANT: All electrical work must be performed by a licensed electrician.**

### NEMA 14-50 Plug-in Installation (40A Max)

- For plug-in models, the NEMA 14-50 plug is pre-attached.
- Ensure your NEMA 14-50 outlet is on a dedicated 50A circuit.
- Simply plug the charging station into the NEMA 14-50 outlet.

### Hardwired Installation (48A Max)

- For hardwired installations, consult the detailed wiring instructions provided in the separate hardwired installation guide (if applicable) or by a qualified electrician.
- The charging station supports up to 48A when hardwired to a dedicated 60A circuit.

## 5.3 Cable Management

- Install the provided J-Hook mount near the charging station to neatly store the charging cable when not in use. This helps protect the cable from damage and keeps the area tidy.



Figure 1: Lectron V-Box Pro mounted with J-Hook for cable management.

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Video 1: Demonstrates convenient charging for Tesla vehicles using a 240V outlet with the Lectron V-Box Pro.

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Video 2: Unboxing and initial overview of the Lectron EV Wall Charger, showing components and design.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Connecting to Your Tesla

1. Ensure the Lectron V-Box Pro is properly installed and powered on. The LED indicator should show a blue light for connection readiness.
2. Open the charging port on your Tesla vehicle.
3. Grasp the NACS connector firmly and insert it into your Tesla's charging port until it clicks into place.
4. The charging station will automatically begin charging, and the LED indicator will change to green.



Figure 2: NACS connector securely plugged into a Tesla vehicle.

### 6.2 Adjusting Amperage Settings

The Lectron V-Box Pro allows for flexible amperage settings (16, 32, 40, and 48A) to match your electrical

supply and charging needs. Refer to the specific instructions on the device or accompanying documentation for how to adjust these settings. Always ensure the selected amperage does not exceed the capacity of your circuit breaker.

### 6.3 App Control (for WiFi-enabled models)

If you have a WiFi-enabled version of the V-Box Pro, you can manage charging remotely, schedule charging times, and track usage via the Lectron app. Download the official Lectron app from your device's app store and follow the in-app instructions to connect your charging station.

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Video 3: Overview of the V-Box Pro Tesla Charger, highlighting its features and ease of use.

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Video 4: Demonstrates the Lectron Tesla smart charger, including app control features (Note: App control is available on WiFi-enabled V-Box Pro models).

## 7. LED INDICATOR STATUS

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The V-shaped LED light on the charging station provides visual feedback on its status:

- **Blue Light:** Indicates the charging station is powered on and ready for connection.
- **Green Light:** Indicates active charging.
- **Red Light:** Indicates a warning or error. Refer to the troubleshooting section or contact support if the red light persists.

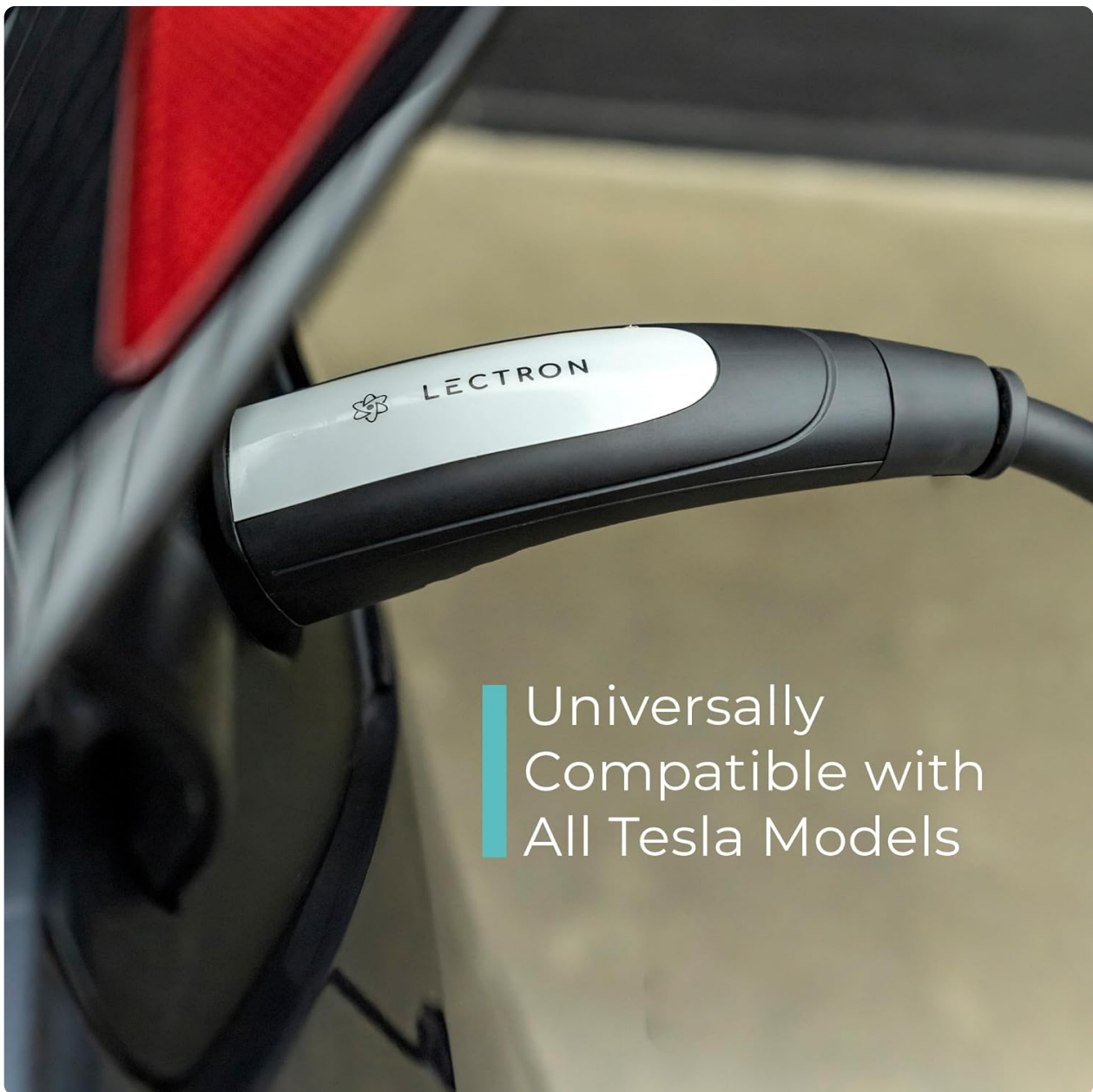


Figure 3: LED Charging Status Indicators.

## 8. MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your Lectron V-Box Pro:

- **Cleaning:** Wipe the exterior of the charging station and cable with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the charging cable, connector, and the station's enclosure for any signs of damage, wear, or corrosion. If any damage is found, discontinue use and contact customer support.
- **Cable Storage:** Always coil the charging cable neatly on the J-Hook when not in use to prevent kinks and damage.

## 9. TROUBLESHOOTING

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If you encounter issues with your Lectron V-Box Pro, try the following steps:

- **No Power/No Blue LED:** Check the circuit breaker for the NEMA 14-50 outlet or hardwired connection. Ensure the outlet is live.









- **Red LED Indicator:** This indicates an error. Unplug the charger from the vehicle and the power source, wait a few minutes, and then reconnect. If the error persists, consult the full troubleshooting guide (if provided separately) or contact customer support.
- **Not Charging:** Ensure the NACS connector is fully inserted into the vehicle's charging port. Check the vehicle's charging settings to ensure it's not set to a delayed charge.
- **Slow Charging:** Verify the amperage setting on the charging station (if adjustable) matches your desired charging speed and circuit capacity.

## 10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official Lectron website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

### Related Documents - V-Box Pro

	<p><a href="#">Lectron V-BOX PRO 48A EV Charging Station User Manual</a></p> <p>Comprehensive user manual for the Lectron V-BOX PRO 48A EV Charging Station (WiFi Version), covering installation, safety, operation, app connectivity, and specifications.</p>
	<p><a href="#">Lectron V-Box Pro 48A EV Charging Station User Manual</a></p> <p>User manual for the Lectron V-Box Pro 48A EV Charging Station (WiFi Version). Provides detailed instructions on installation, safety, operation, LED indicators, app connectivity, and technical specifications for efficient electric vehicle charging.</p>
	<p><a href="#">Lectron 40 Amp Portable EV Charger User Manual</a></p> <p>User manual for the Lectron 40 Amp Portable EV Charger, compatible with Tesla vehicles. Includes safety precautions, installation guide, LED indicators, charging instructions, troubleshooting, and specifications.</p>
	<p><a href="#">Lectron V-BOX 48A EV Charging Station User Manual</a></p> <p>User manual for the Lectron V-BOX 48A EV Charging Station, covering installation, operation, and safety information.</p>
	<p><a href="#">Lectron 40 Amp Level 2 EV Charger User Manual</a></p> <p>User manual for the Lectron 40 Amp Level 2 EV Charger, providing safety information, charging instructions, troubleshooting, and specifications.</p>

	<p><a href="#">Lectron 12A Level 1 NACS Portable EV Charger User Manual</a></p> <p>User manual for the Lectron 12A Level 1 NACS Portable EV Charger, compatible with Tesla vehicles. Includes safety instructions, LED indicators, app access, installation, charging, troubleshooting, and specifications.</p>
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