WISSENERGY LX30-Mode A-7KW-RFID

WISSENERGY Wallbox 7.4 KW Electric Vehicle Charging Station User Manual

Model: LX30-Mode A-7KW-RFID

1. Introduction

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your WISSENERGY Wallbox 7.4 KW Electric Vehicle Charging Station. Please read this manual thoroughly before installation and use, and retain it for future reference. This device is designed to provide reliable charging for Battery Electric Vehicles (BEV) and Plug-in Hybrid Electric Vehicles (PHEV) equipped with a Type 2 charging inlet, adhering to the IEC 62196-2 standard.

2. Safety Information

- **Professional Installation Required:** Installation of this charging station must be performed by a qualified and licensed electrician in accordance with all local and national electrical codes and regulations. Improper installation can result in electric shock, fire, or other hazards.
- **Electrical Safety:** Ensure the main power supply is disconnected before any installation or maintenance work. Do not touch live electrical components.
- **Environmental Conditions:** The Wallbox is designed for both indoor and outdoor use (IP66 rated). However, avoid installing it in areas prone to extreme physical impact or direct exposure to corrosive substances.
- **Product Integrity:** Do not attempt to open, disassemble, repair, or modify the charging station. Unauthorized modifications will void the warranty and may pose safety risks. Contact customer support for service.
- **Cable Handling:** Always handle the charging cable and connector with care. Do not use if the cable or connector is damaged.
- **Children and Pets:** Keep children and pets away from the charging station during operation.

3. Package Contents

Verify that all items are present in the package:

- WISSENERGY Wallbox Charging Station
- RFID Cards (x5)

- User Manual
- Mounting Accessories (screws, anchors)

4. Product Features

The WISSENERGY Wallbox offers advanced features for efficient and secure EV charging:

- **Efficient Charging:** Maximum output power up to 7.4 KW. Supports adjustable current settings of 10A, 16A, 24A, and 32A for single-phase operation.
- **RFID Security:** Requires an RFID card to activate charging, preventing unauthorized use.
- **High Compatibility:** Equipped with a Type 2 outlet, compatible with Type 1 or Type 2 charging cables for various electric vehicle models.
- **Robust Safety Features:** CE, FCC, and RoHS certified. Includes Type A+DC6mA leakage protection, grounding protection, overload/low voltage protection, short circuit protection, lightning protection, and overheat protection.
- **Durable Construction:** IP66 waterproof and dustproof rating, ensuring reliable operation in harsh weather conditions (from -25°C to 55°C). The shell is made from a precise PC alloy for enhanced durability.



Image: The Wallbox is designed to be extremely weather-resistant with an IP66 rating, suitable for use in various climates, including snowy and sunny conditions.



Image: This graph illustrates the charging efficiency, showing that the 7.4KW charger can provide an increase of 42km per hour with 32A 1-phase, significantly faster than a 3.6KW charger.

5. Setup

5.1 Mounting the Wallbox

The Wallbox can be installed directly on a wall or on a dedicated charging station pole. Choose a suitable location that is easily accessible for your vehicle and protected from potential physical damage.

1. Select a sturdy vertical surface for mounting.
2. Use the provided mounting template (if applicable) or measure and mark the drilling points for the mounting bracket.
3. Drill holes and insert appropriate anchors.
4. Secure the mounting bracket to the wall.
5. Attach the Wallbox unit to the mounting bracket.



Image: The Wallbox can be conveniently installed in various locations, including indoor garages and outdoor parking areas, demonstrating its versatility.



Image: An example of the Wallbox securely mounted on an outdoor wooden fence, showcasing its suitability for fixed outdoor installations even in cold weather.

5.2 Electrical Connection

WARNING: Electrical installation must be performed by a qualified and licensed electrician. Failure to comply may result in serious injury or death.

- Ensure the main power supply to the installation area is turned OFF before beginning any wiring.
- The Wallbox requires a single-phase electrical connection.
- Connect the 1-meter bare wire from the Wallbox to your power supply circuit, ensuring proper grounding.
- Install an appropriate circuit breaker (e.g., a magnetothermal differential switch) in your electrical panel for the charging station, as recommended by your electrician and local codes.
- After wiring, ensure all connections are secure and insulated.

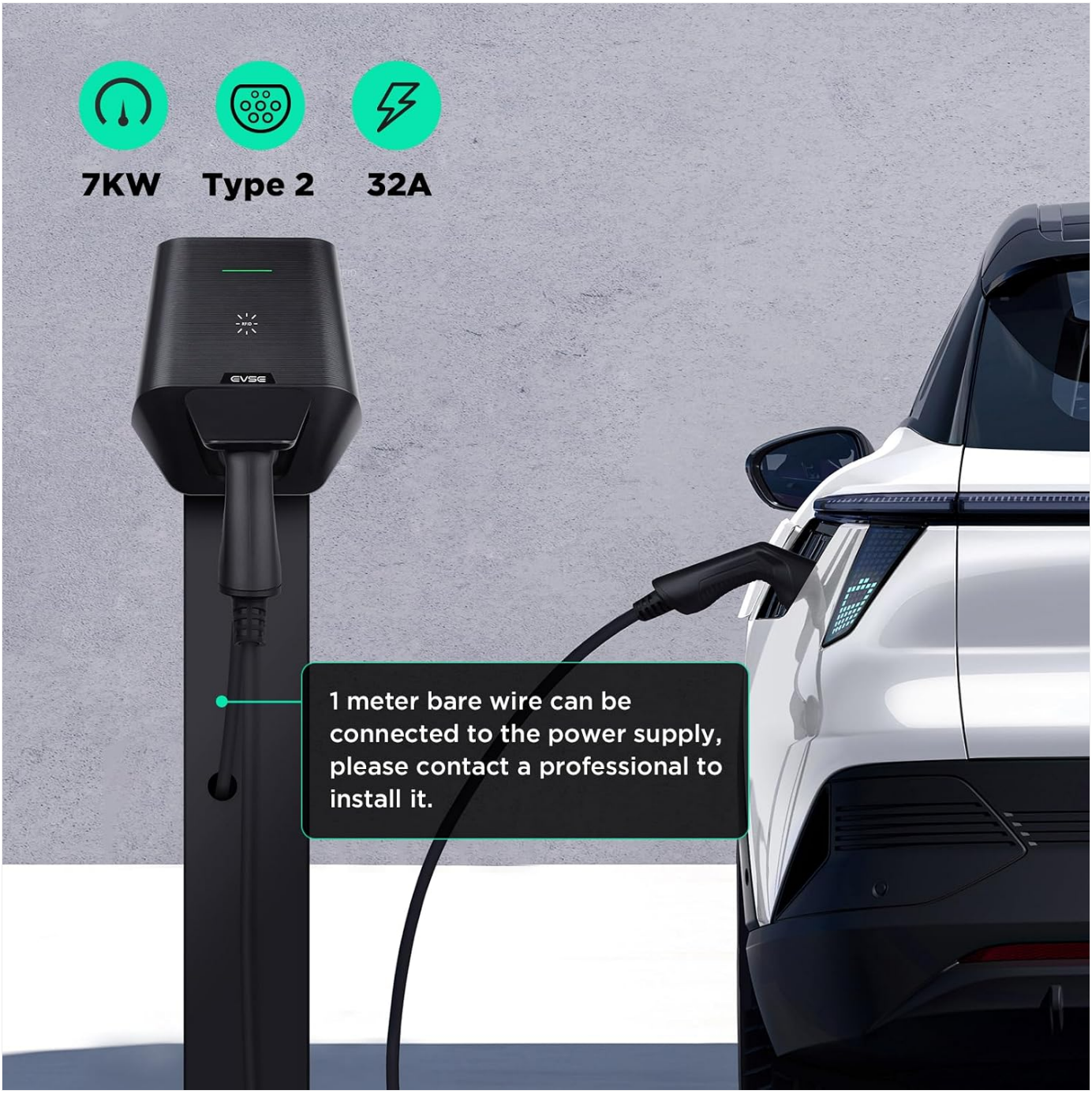


Image: The Wallbox features a 1-meter bare wire for connection to the power supply. It is crucial to contact a professional electrician for this installation step to ensure safety and compliance.

6. Operating Instructions

6.1 RFID Card Activation

The WISSENERGY Wallbox uses RFID cards to initiate and authorize charging sessions, preventing unauthorized use.

1. Ensure the Wallbox is powered on.
2. Hold one of the provided RFID cards near the RFID sensor area on the Wallbox (indicated by the RFID icon).
3. A successful scan will typically be indicated by an audible beep or a change in the LED indicator light. The Wallbox is now ready to charge.



Image: A hand demonstrates swiping an RFID card over the Wallbox. This action unlocks the device for charging, preventing unauthorized personnel from using it.



Image: The main product view showing the RFID card being presented to the Wallbox's sensor, initiating the charging process.

6.2 Adjusting Charging Current

The Wallbox allows you to select the charging current (10A, 16A, 24A, or 32A) to match your vehicle's requirements or available power supply.

- Locate the current adjustment button on the side of the Wallbox.
- Press the button repeatedly to cycle through the available current settings (10A, 16A, 24A, 32A).
- The LED indicator will show the currently selected amperage.
- **Note:** It is not possible to change the current setting during an active charging process. Adjust the current before connecting

your vehicle or after disconnecting.

6.3 Charging Your Electric Vehicle

1. Ensure the Wallbox is powered on and activated with an RFID card.
2. Connect your EV charging cable to the Type 2 outlet on the Wallbox.
3. Connect the other end of the charging cable to your electric vehicle's charging port.
4. The Wallbox will automatically begin charging. Monitor the LED indicators for charging status.
5. To stop charging, you may be able to stop it from your vehicle's interface, or simply disconnect the cable from your vehicle. The Wallbox will cease power delivery.
6. Always disconnect the cable from the vehicle first, then from the Wallbox.

7. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Wallbox.

- **Cleaning:** Periodically clean the exterior of the Wallbox with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals. Ensure the charging port is free from dust and debris.
- **Inspection:** Regularly inspect the charging cable, connector, and the Wallbox unit for any signs of damage, wear, or corrosion. If any damage is found, discontinue use and contact customer support.
- **Environmental Protection:** While the Wallbox is IP66 rated, ensure the protective cover for the charging port is closed when not in use, especially in outdoor environments, to prevent water and dust ingress.

8. Troubleshooting

If you encounter issues with your WISSENERGY Wallbox, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Wallbox not powering on	No power supply; circuit breaker tripped.	Check the main power supply and the circuit breaker. Ensure proper electrical connection.
Charging does not start	RFID card not scanned; cable not properly connected; vehicle not ready to charge; incorrect current setting.	Swipe RFID card again. Ensure cable is securely connected to both Wallbox and vehicle. Check vehicle's charging status. Adjust current setting before connecting.
RFID card not recognized	Card damaged; incorrect scanning technique.	Try another RFID card. Ensure the card is held flat against the sensor area.
Charging stops unexpectedly	Overheat protection activated; vehicle battery full; power fluctuation.	Allow Wallbox to cool down. Check vehicle's charging status. If issue persists, contact support.
LED indicator shows error	Internal fault; specific error condition.	Refer to the LED indicator guide (if provided separately) for specific error codes. Disconnect and reconnect power. If error persists, contact technical support.

For issues not listed here or if troubleshooting steps do not resolve the problem, please contact WISSENERGY technical support.

9. Specifications

Technical specifications for the WISSENERGY Wallbox 7.4 KW Electric Vehicle Charging Station:

Feature	Specification
Model	LX30-Mode A-7KW-RFID
Brand	WISSENERGY
Maximum Output Power	7.4 KW
Amperage Settings	10A, 16A, 24A, 32A (Single Phase)
Input/Output Voltage	AC 230V (Single Phase)
Charging Interface	Type 2 (IEC 62196-2)
Protection Functions	Type A+DC6mA leakage, grounding, overload/low voltage, short circuit, lightning, overheat
IP Rating	IP66 (Waterproof and Dustproof)
Operating Temperature	-25°C to 55°C
Item Weight	3.15 kg (6.93 pounds)
Package Dimensions	17.13 x 14.17 x 7.13 inches
Certifications	CE, FCC, RoHS

10. Warranty and Support

WISSENERGY products are backed by a commitment to quality and customer satisfaction.

- **Warranty:** The WISSENERGY Wallbox comes with a 1-year warranty from the date of purchase. This warranty covers manufacturing defects under normal use.
- **Technical Support:** We provide lifetime technical support for our products. If you have any questions regarding pre-sales, sales, or after-sales service, please contact us through the platform where you purchased the product. Our professional and technical staff will assist you throughout the process.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How can I shut down the WISSENERGY LX30 Wallbox when it is not in use?

Based on the WISSENERGY LX30-Mode A-7KW-RFID manual, there is no dedicated "power off" button on the unit itself for daily use. Instead, the device is designed to remain in a standby state when not...

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