

FoxESS L07P

FoxESS L07P Wallbox Type 2 7.3 kW Single-Phase EV Charger Instruction Manual

Model: L07P | Brand: FoxESS

1. IMPORTANT SAFETY INFORMATION

This device is designed with comprehensive safety features to protect users, the vehicle, and the home electrical network. Adhere to all local electrical codes and safety regulations during installation and operation.

- **Integrated Protection:** Includes AC 30 mA + DC 6 mA residual current protection.
- **Voltage Protection:** Protection against overvoltage and undervoltage.
- **Current Protection:** Protection against overcurrent.
- **Grounding and Surge Protection:** Ensures proper grounding and protection against surge impulses.
- **Temperature Protection:** Overheating protection is integrated.

The FoxESS L07P Wallbox complies with CE and EN/IEC 61851 safety standards.



Image: The FoxESS L07P Wallbox highlighting its comprehensive protection features, including overcurrent, residual current, grounding, overvoltage, undervoltage, and over-temperature protection.

2. SETUP AND INSTALLATION

The FoxESS L07P Wallbox is designed for single-phase domestic electrical networks (230 V $\pm$ 20%) and supports a maximum charging current of 32 A. It is compatible with all electric vehicles equipped with a Type 2 connector. Installation is straightforward and does not require complex electrical work.

2.1 Physical Installation

The wallbox can be flexibly mounted on a wall or a pole. Power cable entry is possible from either the bottom or the rear of the unit. A hardwired connection is required for installation.



Image: Detailed dimensions of the FoxESS L07P Wallbox, including its 197mm height, 196mm width, 105mm depth, and 5m output cable. It also points out the side emergency stop button and indicator light.

DUAL USAGE SCENARIOS

Hardwired Connection Required

IP55 protection bonus Column walls can be matched as desired, and can be installed safely both outdoors and indoors.

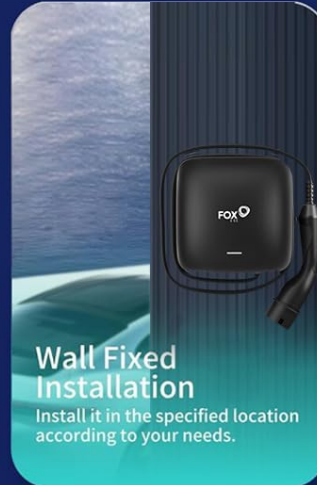


Image: Illustration of two installation methods: outdoor column installation, suitable for various scenarios like companies or parking plants, and wall-fixed installation, for specific locations.

2.2 Electrical Connection

Ensure all electrical connections are made by a qualified electrician in accordance with local regulations. The load balancing function requires the use of an external electric meter. The recommended meter model is DDSU666 single-phase meter (5(80)A) with dual RS485 interfaces (model number 30-803-00024-00).



Image: A hand connecting a Type 2 charging plug to an electric vehicle's charging port. Insets show the Type 2 connector pinout, single-phase wiring, and TPU cable material. Users must wire according to the model and connect to the power grid.

3. OPERATING INSTRUCTIONS

The FoxESS L07P Wallbox offers intelligent control via a smartphone application, alongside manual operation, accommodating various user preferences.

3.1 Smart Control via App

The dedicated smartphone application allows for easy starting and stopping of charging sessions, scheduling, and monitoring of energy consumption. This intelligent control enables flexible charging times, contributing to energy savings and grid-friendly charging.

- **Remote Start/Stop:** Initiate or terminate charging from your smartphone.
- **Scheduling:** Plan charging sessions to take advantage of off-peak electricity rates or solar production.
- **Energy Monitoring:** Track your energy consumption and charging history.



Image: A smartphone displaying the FoxESS app interface, showing charging status, voltage, current, power, and duration. The app supports WiFi and Bluetooth connectivity for remote control and smart features.

3.2 Dynamic Load Balancing and PV Integration

The wallbox supports dynamic load management, automatically adjusting charging power to the total household consumption to prevent overloads. It also features additional PV integration for green charging using solar energy, making it ideal for modern home energy management systems.



Image: The FoxESS 7.3kW AC Charging Pile with a list of its key features: APP Control, Plug&Charge, Current adjustable, Solar linkage, and Dynamic load balancing. A note indicates that load balancing requires an electric meter.

3.3 Scheduled Charging

Utilize the scheduled charging feature to make reservations for staggered peak charging, optimizing energy costs and usage.

SCHEDULED CHARGING

Support car end to make reservations for staggered peak charging.

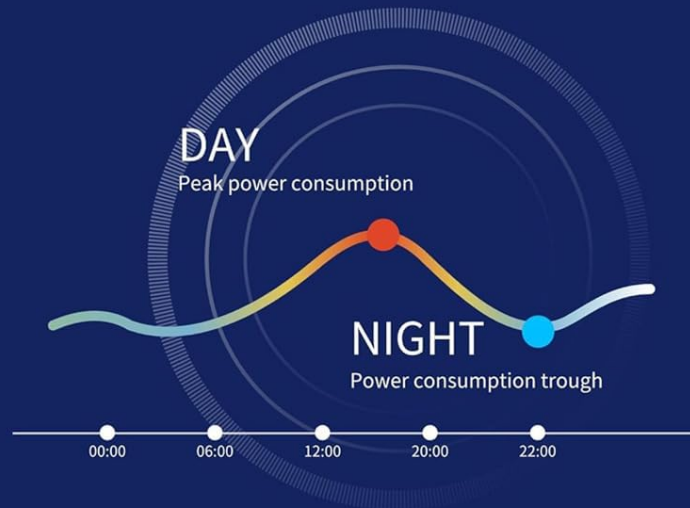


Image: A graph showing power consumption over a 24-hour period, illustrating how scheduled charging can be used to charge during off-peak hours (night) and avoid peak power consumption (day).

4. MAINTENANCE

The FoxESS L07P Wallbox features a robust and weather-resistant casing, ensuring durability and minimal maintenance requirements.

- **IP55 Rating:** The enclosure is waterproof and dustproof, suitable for outdoor or garage installation.
- **IK08 Rating:** Provides impact resistance, protecting against physical damage.
- **Operating Conditions:** Designed to operate in temperatures ranging from -25 °C to +50 °C, with humidity between 5% and 95%.

Regularly inspect the charging cable and connector for any signs of wear or damage. Keep the unit clean and free from debris. Do not attempt to open or repair the unit yourself; contact qualified personnel for service.

IP55

Waterproof&Dustproof



Image: The FoxESS Wallbox being splashed with water, demonstrating its IP55 rating for water and dust resistance.

IK08

Enclosure Impact Resistance



Image: The FoxESS Wallbox with a graphic overlay of a shield, signifying its IK08 enclosure impact resistance.



Image: The FoxESS Wallbox shown in different environmental settings, illustrating its suitability for extreme weather conditions, including cold (-25°C) and hot (50°C) temperatures.

5. TROUBLESHOOTING

If you encounter issues with your FoxESS L07P Wallbox, consider the following general troubleshooting steps:

- **No Power:** Check the circuit breaker in your electrical panel. Ensure the wallbox is properly connected to the power supply.
- **Charging Not Starting:** Verify that the Type 2 connector is securely plugged into your vehicle. Check the app for any scheduled charging conflicts or error messages. Ensure the vehicle is ready to accept a charge.
- **App Connectivity Issues:** Confirm your Wi-Fi or Bluetooth connection is active and stable. Restart the app and, if necessary, the wallbox.
- **Indicator Light Status:** Refer to the indicator light on the wallbox for status or error codes. Consult the full product manual (if available) for specific light patterns.

For persistent issues, contact FoxESS customer support or a certified electrician.

6. SPECIFICATIONS

Feature	Specification
Manufacturer	FOXESS CO., LTD.
Brand	FoxESS
Model	L07P
Item Weight	3.9 Kilograms
Product Dimensions (L x W x H)	19.7 x 19.6 x 10.5 cm
Max Charging Power	7.3 kW
Max Charging Current	32 A
Input Voltage	230 V ± 20% (Single-phase)

Feature	Specification
Connector Type	Type 2
Ingress Protection (IP) Rating	IP55 (Waterproof & Dustproof)
Impact Protection (IK) Rating	IK08
Operating Temperature Range	-25 °C to +50 °C
Humidity Range	5% to 95%
Connectivity	WiFi/Bluetooth (App Control)
Safety Standards	CE, EN/IEC 61851

7. WARRANTY AND SUPPORT

Information regarding the specific warranty period and detailed support contact options for the FoxESS L07P Wallbox is not available in the provided product data. Please refer to the product packaging, the official FoxESS website, or your point of purchase for comprehensive warranty details and customer support contacts.

For technical assistance or service inquiries, it is recommended to contact FoxESS directly or an authorized service provider.

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

