

ProWallbox Move



USER MANUAL

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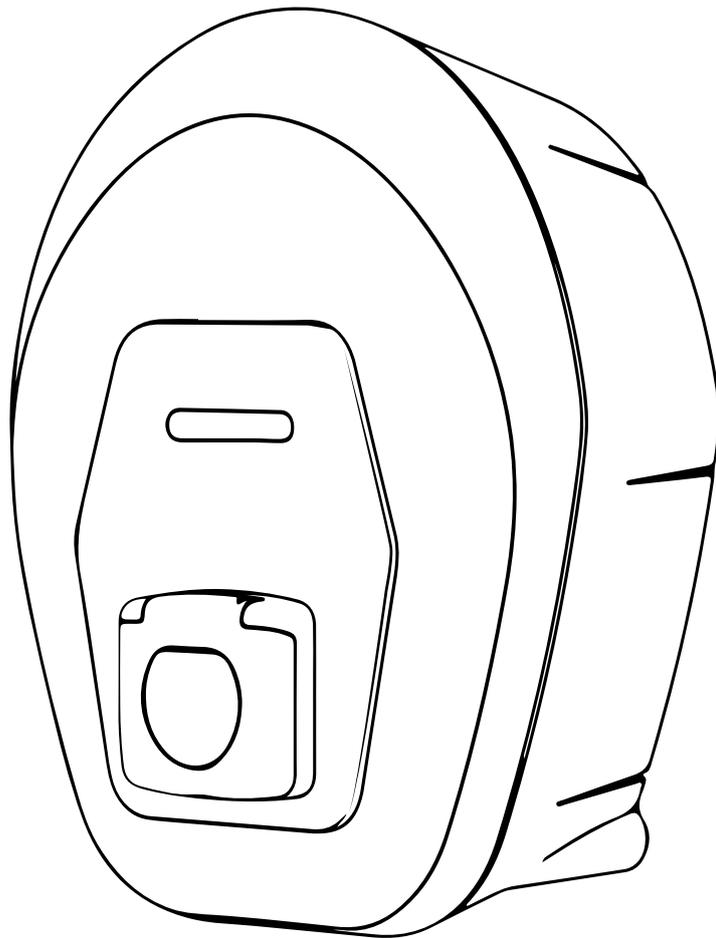


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INTRODUCTION

SAFETY RECOMMENDATIONS



End users are required to read this manual and follow the instructions closely.

Keep this document in a safe place for easy access at all times.



Installation must be carried out by qualified personnel. A dedicated, state-of-the-art electricity supply system must be designed and installed, and the system must be certified in compliance with local regulations and the energy supply contract.



Free2Move eSolutions S.p.A. cannot be held liable for damage caused to persons and/or property, or to the equipment, if the conditions described below have not been complied with.

The warranty requirements are described in the Terms and Conditions of Sale section included with the purchase order for this product.

WARRANTY AND DELIVERY CONDITIONS

Free2Move eSolutions S.p.A. declares that the equipment complies with the legal provisions currently in force in the country of installation and has issued the relevant declaration of conformity. Free2Move eSolutions S.p.A. assumes no responsibility for failure to comply with the instructions for proper installation, and cannot be held responsible for systems upstream or downstream of the equipment supplied. Free2Move eSolutions S.p.A. cannot be held responsible for defects or malfunctions deriving from: improper use of the equipment, deterioration due to transport or particular environmental conditions, incorrect or insufficient maintenance, tampering or unsafe repairs, and use or installation by unqualified persons.

Free2Move eSolutions S.p.A. is not responsible for any disposal of the equipment, or parts thereof, that does not comply with the regulations and laws in force in the country of installation.



NOTE: It is absolutely forbidden to modify the equipment. Any modification, manipulation or alteration of the hardware or software not expressly agreed with the manufacturer will immediately void the warranty.

PURPOSE AND STRUCTURE OF THE DOCUMENT

This use and maintenance manual is a guide to help you work safely, and carry out the operations needed to keep your equipment in good working order. If the equipment is used in a manner not specified in this manual, the protection provided by the equipment may be impaired.

This document was originally written in English. In the event of any inconsistencies or doubts, please ask Free2Move eSolutions S.p.A. for the original document.

LIST OF DOCUMENTS IN THE APPENDIX

In addition to this manual, product documentation can be viewed and downloaded by visiting the Free2Move eSolutions S.p.A. website [esolutionscharging.com](https://www.esolutionscharging.com)

WARNINGS



Danger of electric shock and fire

- Before installing or using the device, **make sure that none of the components have been damaged**. Damaged components can lead to electrocution, short circuits, and fire due to overheating. A device with damage or defects must not be used.
- Install **eProWallbox Move** away from petrol cans or combustible substances in general.
- **Before carrying out any maintenance**, ensure the power supply is switched off.
- Before installing **eProWallbox Move**, ensure the **main power source has been disconnected**.
- Before putting back or moving **eProWallbox Move**, ensure the device is **not connected to the power supply**.
- **eProWallbox Move** must only be used **for the specific applications** it is designed for.
- Installation, maintenance or repairs **not carried out correctly may pose risks to the user**. Please ensure that **eProWallbox Move** is only used in **correct operating conditions**.
- The device must be connected to an **electricity network in compliance with local and international standards, and all the technical requisites indicated in this manual**.
- **Children** or other persons not able to gauge risks related to the installation or use of the device could suffer **serious injury, or put their lives at risk**. Such persons must not operate the device and must be supervised when close to it.
- **Pets or other animals must be kept away** from the device and packaging material.
- **Children must not play with the device**, accessories or packaging provided with the product.
- **eProWallbox Move does not contain components that the user can repair or maintain autonomously**.
- **The only part that can be removed from eProWallbox Move** (solely during the installation and dismantling stages and following the instructions) is the **removable cover**. **eProWallbox Move** should not be opened further unless by qualified personnel during installation, dismantling or maintenance.
- **eProWallbox Move** can only be used with an energy source.
- **eProWallbox Move** must be **treated and disposed of in compliance with current legislation**, separately from normal household waste, as electric and electronic waste (WEEE).

SYMBOL DESCRIPTION

Symbol	Description
	General warning
	It is mandatory to consult the original manual and additional documentation
	Prohibition or restrictions
	Although they are not made of materials that are harmful to health, the products should not be disposed of along with household waste but must be collected separately, because they are made of materials that can be recycled
	Sign for electrical voltage hazard
	Electronic device installation carried out by qualified personnel only

1. GENERAL INFORMATION

eProWallbox Move is an Alternate Current charging solution for powering electric vehicles and hybrid plug-ins, and is ideal for semi-public and residential use. The device is available in three-phase or single-phase configurations and is equipped with a Type 2 socket.

The device charges an electric vehicle up to 22kW in three-phase, or up to 7.4 kW in single-phase. The product includes connectivity options that allow it to be monitored remotely via Web-based portal. The device can be managed via a dedicated App.

This document describes how to use and maintain the product. A description of the features of the equipment is provided to indicate its key components and set out the technical terms used in this manual. This chapter contains information on models, details of equipment, specifications and technical data, overall dimensions and identification of the equipment. **eProWallbox Move** can be integrated to a Home Energy Management System (HEMS) enabling solar panel integration.

Product versions:
F2ME.EPROSEYYXXX

1.1. Fields of use

Free2Move eSolutions S.p.A. declines all liability for any damage whatsoever due to incorrect or careless action.



The equipment may not be used for any purpose other than the one it is intended to fulfil. The equipment must not be used by inexperienced personnel or even by expert professionals if the equipment undergoes operations that do not comply with this manual and accompanying documentation.

This piece of equipment is a charging device for electric vehicles; the following classification (according to IEC 61851-1) identifies its characteristics:

- Power supply: permanently connected to the AC power supply grid
- Output: alternate current
- Environmental conditions: indoor/outdoor use
- A device for free access places
- Fixed wall installation
- Protection against electric shock: Class I
- Charging type: Mode 3 in accordance with the IEC 61851-1 standard
- Optional function for ventilation not supported.



2. ESOLUTIONS CHARGING APP



eSolutions Charging is a smartphone app, available via Google Play® and App Store®. It can be used to configure, monitor and set **eProWallbox Move** via a Bluetooth connection.

When running the app for the first time, users are asked to provide personal details to register and create a Free2Move eSolutions account. Personal data and profile settings can be changed in-app.

2.1. Pairing between eProWallbox Move and app

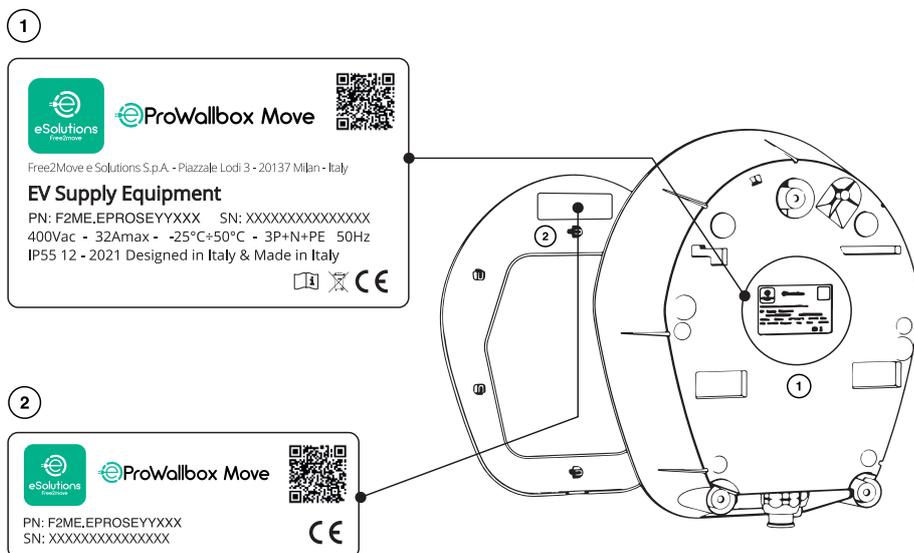
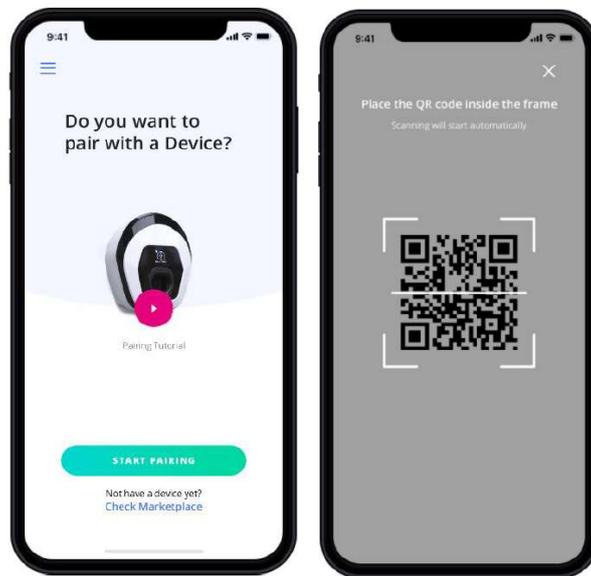
The app authenticates and pairs via a QR Code, linking **eProWallbox Move** to the owner's user account.

This pairing enables all remote features, such as data collection, display and analysis, as well as seamless customer support.

It is possible to pair more than one **eProWallbox Move**. The "Device List" menu allows users to manage all their wallboxes from a single page.

It is possible to configure a Wi-Fi connection for **eProWallbox Move** via the App.

QR Code information is given on the label on the back of the charger case, or on the label on the back of the external cover.



2.2. Charging sessions

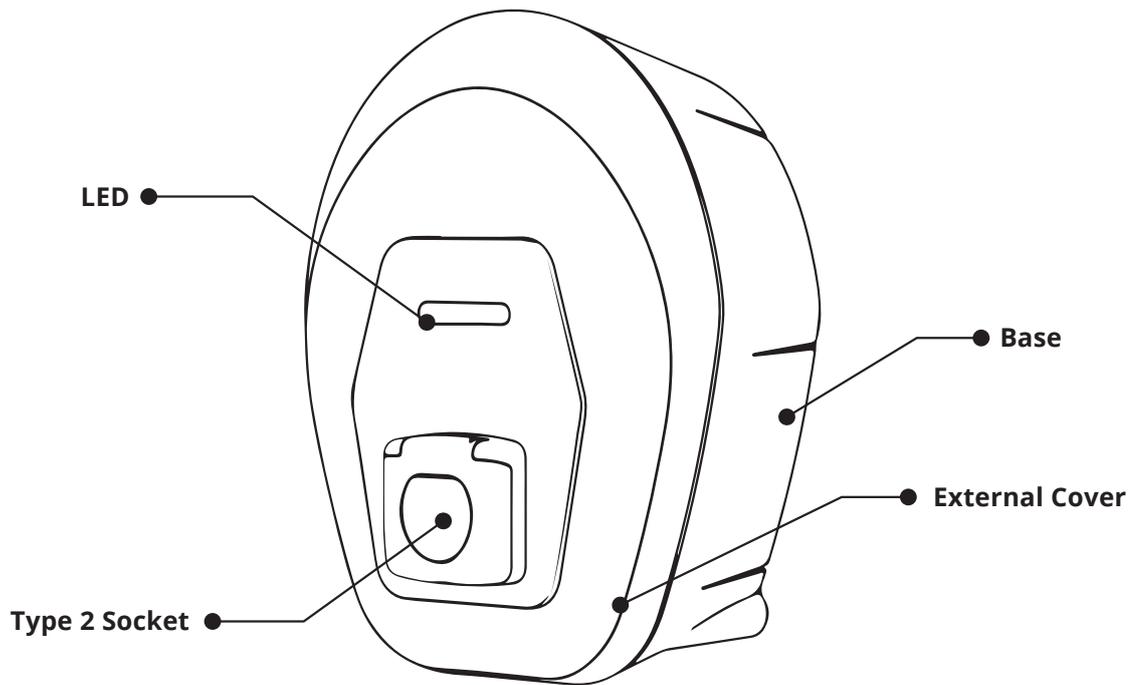
EV drivers have full control of their charging sessions wherever they are. Users can access core charging session control features, such as:

- Start the charging sessions via app
- Stop, delay and schedule charging sessions
- Monitor the status and progress of each charging session in real-time
- Receive notifications when charging sessions start and end.
- Over-the-air software update.



3. OVERALL VIEW

Let's start by looking at the Figure below, showing **eProWallbox Move** and its main parts.



4. TURNING ON EPROWALLBOX MOVE

The device does not have start/stop buttons. Once installed, it is ready to be configured via App. This allows the appropriate operating mode to be selected, depending on whether connection to the charge point management platform is via app or in StandAlone mode, when the following conditions are fulfilled:

- correct installation, certified by qualified personnel
- regular status of the device.



Once the device has been powered up, the LED will not blink immediately. This can take up to one minute.



Danger of electric shock when the device is damaged. Use of a damaged device is strictly forbidden.

If the device is damaged, follow the instructions below precisely to hazardous situations, potentially resulting in damage to persons or things:

- avoid using the damaged device
- clearly label the damaged device so other people do not use it
- call a qualified professional promptly so the device can be repaired or, if irreparably damaged, taken out of service.

4.1. Operating mode

On the App, go to wallbox settings and click on Autostart button, to disable or enable the authentication mode. The 4 operating modes are the following:

1. Autostart connected (default Factory setting): Connected to **eSolutions** control platform for charging without authentication
2. Autostart not connected: Not connected to **eSolutions** control platform and charging without authentication
3. Authentication connected: Connected to **eSolutions** control platform, charging using the App to authenticate
4. Authentication not connected: Not connected to **eSolutions** control platform, charging using the App to authenticate



If you change operating mode, restart the wallbox via the app to make the changes effective

For Business application **eProWallbox Move** can be also connected to a Charge Point Management System (CPMS), a web based platform with roaming integration for the remote management and monetization of the charging points.
For further details check the eSolutions website esolutionscharging.com

5. INSTRUCTIONS FOR USE

5.1. Preliminary charging operations



During the entire charging process, DO NOT remove the charging connector from the electric vehicle. Only remove the charging connector from the vehicle when charging operations have ended, or have been halted following the appropriate procedure. In either case, undue force must not be used.

Removing the charging connector from the vehicle during the charging process can cause serious damage to property or people.

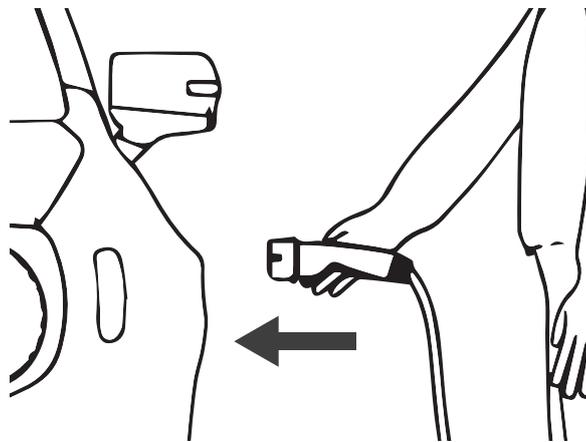
Before starting a new charging session:

- Ensure the product and its connectors are perfectly intact, dry and free of any impurities.
- Do not insert fingers or objects into the socket.
- Make sure the product is not, and has not been, exposed to heat sources, explosive or inflammable substances.
- Ensure the electric vehicle is compatible with the product's technical features.
- Do not use adapters or extensions not specified by Free2Move eSolutions S.p.A. as they may damage the product and create safety hazards for the user. **eProWallbox Move** must only be used according to the operating parameters specified and at an ambient temperature between -25 °C and 50 °C.
- Vehicle adapters must not be used to attach a connector to a vehicle socket.
- Adapters between vehicle socket and plug should only be used if specifically designated and approved by the vehicle manufacturer or the manufacturer of the electric vehicle's power supply equipment, in accordance with national requirements. Such adapters must, however, comply with the requirements of the IEC 61851-1 standard and other relevant standards governing both the plug and socket of the adapter. The adapters must in any case be marked with specific indications for use permitted by the manufacturer (e.g. IEC 62196).
- Keep the charging cable out of the reach of children.
- Be careful not to step on the connector or cable.

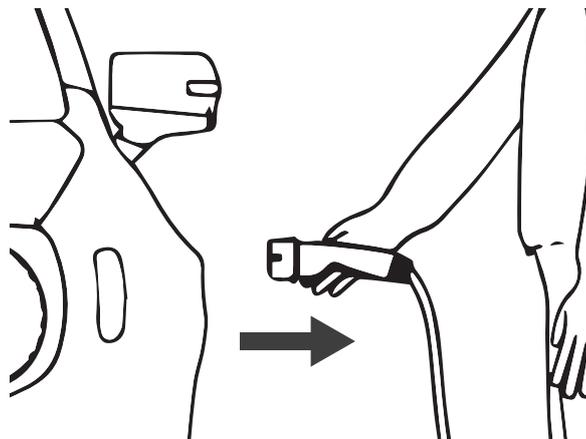
5.2. How to start charging (without authentication)

If **eProWallbox Move** is configured with Autostart Operating Mode as the default setting, the following operations must be performed:

1. **eProWallbox Move** is ready for charging when the LED is **BLUE**.
2. Insert the plug of the charging cable into the available socket on the device, until it is fully engaged.
3. Insert the plug of the Type 2 cable in the Charge Port of the electric vehicle.



4. The device will lock the cable for the duration of the entire charging session.
5. The charging session starts, and the LED flashes **GREEN**.
6. When charging is complete or you need to stop the charging process, unlock the electric vehicle.
7. The charging cable can then be removed from the device and from the electric vehicle.

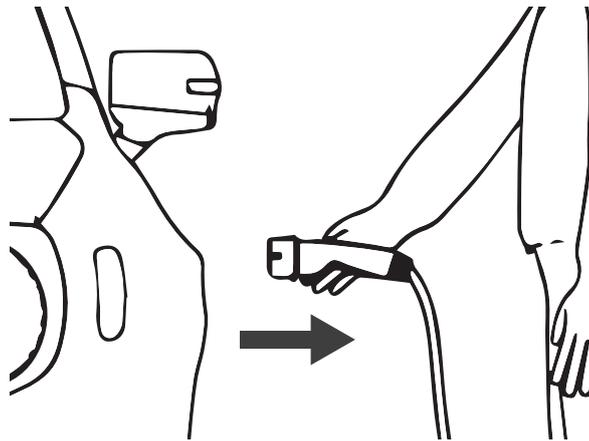


8. The product returns to its initial state, ready for a new charging session.

5.3. How to charge with authentication

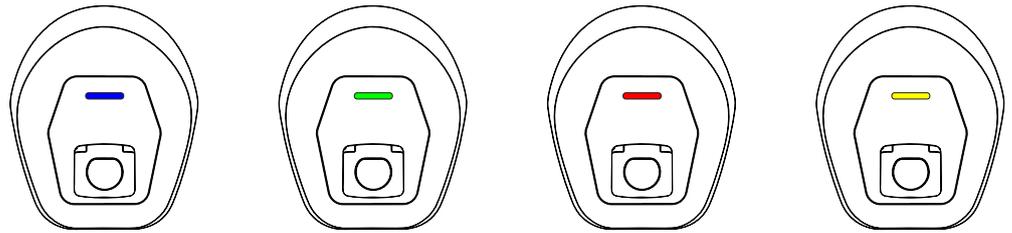
Charging can be accessed via app if the Authentication Operating Mode is selected.

1. Proceed as per the instructions provided in the previous point, until the cable is inserted (step 3).
2. Start remotely via app.
3. Charge the vehicle.
4. When charging is complete or the charging process needs to be stopped, the user can stop the charging process via app to allow the socket to be unlocked and end the charging session.
5. The charging cable can then be removed from the device and from the electric vehicle.
6. The product returns to its initial state, ready for a new charging session.



5.4. LED behaviour

Once the device is powered up, the LED flashes in a sequence of colours. Then the status of the device can be easily monitored through the colours and behaviour of the frontal LED.



Pulsing	Loading	Charging in process	CPMS not connected	Software update
Solid	Ready to plug in	Charging interrupted	Error detected See "Assistance"	
Flashing	Waiting for CPMS connection	Ready to plug out		

6. MAINTENANCE

Before carrying out any maintenance work, turn the power supply of the device off, and disconnect it from the electric vehicle. Only qualified personnel can open the **eProWallbox Move** and carry out operations on the components.

The user does not need to maintain any parts of the **eProWallbox Move**.



A damaged or defective appliance must not be used in any way, but must immediately be replaced or repaired by qualified professionals, in accordance with the manufacturer's instructions.

Cleaning the outside of the device is always recommended when necessary, and should be carried out avoiding strong jets of air or water, and avoiding use of soaps or detergents that are too harsh and corrosive for the materials the product is made of.

Use a soft damp cloth with a mild detergent to clean it. When finished, wipe off any traces of moisture or liquid with a soft dry cloth.

The owner is responsible for maintenance and condition of the product. Maintenance must always be carried out in accordance with current regulations while ensuring that people, property and animals are protected during all maintenance operations.

7. PRODUCT DISPOSAL



This device is certified in compliance with European Directive 2012/19/UE for used electric and electronic equipment (Waste Electric and Electronic Equipment - WEEE). The guidelines set out the framework regulations for returning and recycling used appliances in the EU.

Dispose of packaging in an environmentally friendly manner. The materials used for packaging this product can be recycled and must be disposed of in compliance with the legislation in force in the country of use.

Further information about current disposal facilities can be obtained from local authorities.

8. ASSISTANCE

If you have any questions about the installation of **eProWallbox Move**, please contact your authorised assistance centre.

For any further information or requests for support, please contact Free2Move eSolutions S.p.A. via the relevant section of the website: esolutionscharging.com/contact-us/.

DISCLAIMER

Free2Move eSolutions S.p.A. will not be held responsible for any damage directly or indirectly caused to people, things or animals due to the failure to comply with all the provisions set out in this Manual and the warnings regarding the use and maintenance of **eProWallbox Move**.

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Registered office
Free2Move eSolutions S.p.A.
Piazzale Lodi, 3
20137 Milan - Italy

V.02.2022

