



FIMER FLEXA

AC Wallbox

The FIMER FLEXA AC Wallbox is a charging device for electric vehicles for private applications and for public or company car parking facilities, which can be installed on a wall or on a dedicated FIMER FLEXA Stand.

FIMER FLEXA AC Wallbox is available in a Cord version, equipped with a T2 Cord, or in a Socket version, equipped with a T2 or a T3A socket.

The device can be installed on the wall or on a dedicated FIMER FLEXA Stand (standard or basic version) and is available in different configurations, depending on the power, the connection type and the type of connectivity.

Each FIMER FLEXA AC Wallbox can be configured in Master (Future Net) or Slave (Stand Alone or Inverter Net) mode: this configuration makes multiple installations (in public and company car parking facilities) even more efficient, through a built-in Load Management system.

FIMER FLEXA AC Wallbox - Stand Alone

The Stand Alone version comes with basic features that guarantee easy use at an affordable price.

Its functionalities are limited to interaction with the electric vehicle, activating its charging process and ensuring its safe operation:

- Status signaling via local LEDs and local RS485 communication for configuration and monitoring
- Available in Cord (T2) or Socket (T2 or T3A) versions
- Communication interface with MID meter or TA sensor, included in 3,7 kW and 7,4 kW versions)
- Bluetooth communication and RFID reader for local access management

FIMER FLEXA AC Wallbox - Future Net

The Future Net version includes great connectivity features that enable remote monitoring and control of the device. It offers the following features in addition to those of the Stand Alone version:

- 3G/4G connectivity, Wi-Fi, Ethernet
- OCPP 1.6 Json communication protocol
- Intelligent remote monitoring and control system: thanks to the use of a mobile application for the user and a centralized system for the operator, it allows remote monitoring of the device status, the creation of use and energy reports, access management and error analysis
- Master/Slave Management

FIMER FLEXA AC Wallbox - Inverter Net

The features of the Inverter Net version are similar to those of the Stand Alone version; it only differs in that it can communicate with REACT 2 photovoltaic inverters with storage. This version offers the following advantages compared to the Stand Alone version:

- Data sharing and storage through interaction with REACT 2 photovoltaic inverters with integrated storage
- Load optimization and integration with storage systems
- Shared management portal for data monitoring and management

All versions have the following main features:

- Available in Cord (Type 2) or Socket (Type 2 or Type 3A) version
- Charge in Mode 3
- Master-Slave functionality
- Locking of the socket during the charging phase (only for the Socket version)
- Bluetooth connectivity and RFID reader
- 100% recycled plastic case
- Communication interface with external TA sensor or MID energy meter
- Installation on a wall or a dedicated FIMER FLEXA Stand system
- Easy assembly

Signals and control

- Local LED signals for indications of charging status or any faults
- Authentication and unlocking systems via RFID cards, mobile application or through a centralised management system
- OCPP 1.6 Json protocol

Robustness and safety (bold)

- IK08 and IP55 protection level
- Antitamper
- Back-up via SuperCap



T2 Cord
3.7 - 22 kW



T2 socket
3.7 - 22 kW



T3A socket
3.7kW



RFID reader



App



OCPP
1.6 Json
protocol



Wi-Fi



BLE

Installation type



Load Management



Master/slave

Technical data

Model FIMER FLEXA AC Wallbox	Stand Alone / Inverter Net / Future Net			
Maximum power	3.7 kW	7.4 kW	11 kW	22 kW
Standard	IEC61851-1			
Charging method	Mode 3			
Available outlets	5m Cord (Type2) or Socket (Type 2 or Type 3A)			
Power system	1P + N + PE	1P + N + PE	3P + N + PE	3P + N + PE
Rated voltage	230V AC ± 10%	230V AC ± 10%	400V AC ± 10%	400V AC ± 10%
Frequency	50-60 HZ			
Rated current	16A	32A	16A	32A
Rated impulse withstand voltage (Uimp)	4kV			
Rated conditional short-circuit current of an assembly (icc)"	10kA			
Rated diversity factor (RDF)	1			
Degree of pollution	PD2			
EMC classification	Class B emissions			
Protective measures against electric shock	Class I			
Connection to the mains	Permanently connected			
Grounding system type	TT or TN (both with PE)			
Indoor/outdoor installation	Outdoor			
Fixed or removable installation	Fixed			
Overvoltage category	III			
IP protection rating	IP 55			
IK protection rating	IK08			
Case material	100% recycled plastic			
Dimensions	275 mm x 480 mm x 140 mm			
Weight	7 kg (Socket), 8.5 kg (Cord)			
Operating temperature	-25....+50°C			
Storage temperature	-25...+70°C			
Humidity	0...95% (non-condensing)			
Altitude	Up to 2000 m			
Product intended for use by	Unskilled persons			
Positioning in area with	Non-restricted access			
Magnetothermal protection	Not included			
Differential protection	Not included (equipped with 6mA DC RCM)			
Energy meter	Compatible with external MID meters or TA sensor			
Certification	CE, RCM (Australia Certification), UL			

Model FIMER FLEXA AC Wallbox	Stand Alone				Inverter Net				Future Net			
Maximum power	3.7 kW	7.4 kW	11 kW	22 kW	3.7 kW	7.4 kW	11 kW	22 kW	3.7 kW	7.4 kW	11 kW	22 kW
Bluetooth	•	•	•	•	•	•	•	•	•	•	•	•
RFID	•	•	•	•	•	•	•	•	•	•	•	•
Ocpp	-	-	-	-	-	-	-	-	Ocpp 1.6 Json	Ocpp 1.6 Json	Ocpp 1.6 Json	Ocpp 1.6 Json
3G/4G connection	-	-	-	-	-	-	-	-	•	•	•	•
Ethernet connection	-	-	-	-	-	-	-	-	•	•	•	•
WiFi	-	-	-	-	-	-	-	-	•	•	•	•
Status LED	•	•	•	•	•	•	•	•	•	•	•	•
Remote SW Updates	-	-	-	-	•	•	•	•	•	•	•	•
TA meter included	•	•	-	-	•	•	-	-	•	•	-	-

Available codes

Code	EAN	Description	Version	Pmax	Rated current	Rated voltage	Connection
FLWSA0302SSN00	8033049748451	FIMER FLEXA AC Wallbox SA 3.7kW T2S	Stand Alone	3.7 kW	16A	230V AC	T2 socket
FLWSA0302CSN00	8033049748468	FIMER FLEXA AC Wallbox SA 3.7kW T2C	Stand Alone	3.7 kW	16A	230V AC	T2 cord
FLWSA0303SSN00	8033049748475	FIMER FLEXA AC Wallbox SA 3.7kW T3AS	Stand Alone	3.7 kW	16A	230V AC	T3A socket
FLWIN0302SSN00	8033049748482	FIMER FLEXA AC Wallbox IN 3.7kW T2S	Inverter Net	3.7 kW	16A	230V AC	T2 socket
FLWIN0302CSN00	8033049748499	FIMER FLEXA AC Wallbox IN 3.7kW T2C	Inverter Net	3.7 kW	16A	230V AC	T2 cord
FLWIN0303SSN00	8033049748505	FIMER FLEXA AC Wallbox IN 3.7kW T3AS	Inverter Net	3.7 kW	16A	230V AC	T3A socket
FLWFN0302SSN00	8033049748512	FIMER FLEXA AC Wallbox FN 3.7kW T2S	Future Net	3.7 kW	16A	230V AC	T2 socket
FLWFN0302CSN00	8033049748529	FIMER FLEXA AC Wallbox FN 3.7kW T2C	Future Net	3.7 kW	16A	230V AC	T2 cord
FLWFN0303SSN00	8033049748536	FIMER FLEXA AC Wallbox FN 3.7kW T3AS	Future Net	3.7 kW	16A	230V AC	T3A socket
FLWSA0702SSN00	8033049748543	FIMER FLEXA AC Wallbox SA 7.4kW T2S	Stand Alone	7.4 kW	32A	230V AC	T2 socket
FLWSA0702CSN00	8033049748550	FIMER FLEXA AC Wallbox SA 7.4kW T2C	Stand Alone	7.4 kW	32A	230V AC	T2 cord
FLWIN0702SSN00	8033049748567	FIMER FLEXA AC Wallbox IN 7.4kW T2S	Inverter Net	7.4 kW	32A	230V AC	T2 socket
FLWIN0702CSN00	8033049748574	FIMER FLEXA AC Wallbox IN 7.4kW T2C	Inverter Net	7.4 kW	32A	230V AC	T2 cord
FLWFN0702SSN00	8033049748581	FIMER FLEXA AC Wallbox FN 7.4kW T2S	Future Net	7.4 kW	32A	230V AC	T2 socket
FLWFN0702CSN00	8033049748598	FIMER FLEXA AC Wallbox FN 7.4kW T2C	Future Net	7.4 kW	32A	230V AC	T2 cord
FLWSA1102SSN00	8033049748604	FIMER FLEXA AC Wallbox SA 11kW T2S	Stand Alone	11 kW	16A	400V AC	T2 socket
FLWSA1102CSN00	8033049748611	FIMER FLEXA AC Wallbox SA 11kW T2C	Stand Alone	11 kW	16A	400V AC	T2 cord
FLWIN1102SSN00	8033049748628	FIMER FLEXA AC Wallbox IN 11kW T2S	Inverter Net	11 kW	16A	400V AC	T2 socket
FLWIN1102CSN00	8033049748635	FIMER FLEXA AC Wallbox IN 11kW T2C	Inverter Net	11 kW	16A	400V AC	T2 cord
FLWFN1102SSN00	8033049748642	FIMER FLEXA AC Wallbox FN 11kW T2S	Future Net	11 kW	16A	400V AC	T2 socket
FLWFN1102CSN00	8033049748659	FIMER FLEXA AC Wallbox FN 11kW T2C	Future Net	11 kW	16A	400V AC	T2 cord
FLWSA2202SSN00	8033049748666	FIMER FLEXA AC Wallbox SA 22kW T2S	Stand Alone	22 kW	32A	400V AC	T2 socket
FLWSA2202CSN00	8033049748673	FIMER FLEXA AC Wallbox SA 22kW T2C	Stand Alone	22 kW	32A	400V AC	T2 cord
FLWIN2202SSN00	8033049748680	FIMER FLEXA AC Wallbox IN 22kW T2S	Inverter Net	22 kW	32A	400V AC	T2 socket
FLWIN2202CSN00	8033049748697	FIMER FLEXA AC Wallbox IN 22kW T2C	Inverter Net	22 kW	32A	400V AC	T2 cord
FLWFN2202SSN00	8033049748703	FIMER FLEXA AC Wallbox FN 22kW T2S	Future Net	22 kW	32A	400V AC	T2 socket
FLWFN2202CSN00	8033049748710	FIMER FLEXA AC Wallbox FN 22kW T2C	Future Net	22 kW	32A	400V AC	T2 cord



For more information, please contact a FIMER representative or visit:

fimer.com

The company reserves the right to make technical changes or to modify the content of this document without prior notice. The agreed details concerning purchase orders apply. FIMER disclaims any responsibility for possible errors or lack of information herein.

The company reserves all rights to this document, the issues and the illustrations contained therein. Any reproduction, disclosure to third parties or use of the contents, in whole or in part, without prior written permission from FIMER, is prohibited. Copyright© 2021 FIMER. All rights reserved.

