

# OlifeEnergy WallBox



The Olife Energy WallBox is a hard-wearing 22 kW AC charging station for all electric vehicles currently available on the EU market. It is designed for both indoor and outdoor wall-mounted installation. Optionally the charger can be installed on a floor-mounted post. Wallbox can be equipped with Type 2 socket, or cable with Type2 / Type1 plug.

OlifeEnergy WallBox is available in two versions. „Base“ version can start charging automatically or after authorisation by RfID. Output can be controller in range 0 – 22 kW by local measuring unit. Advanced version „Smart“ can cooperate with remote server (OlifeEnergy Cloud or 3rd party OCPP). Power control of multiple chargers is available. Cloud backend secures not only the monitoring, but also user authorization, diagnostics or power balancing functions. IndustryBox can also be optionally connected to the OlifeEnergy Net E.V. charging network, which provides the owner of the station credit card payment options for public paid charging.

## SPECIFICATION

Output	socket	cable	cable
Output connector	Type 2	Type 2	Type 1
Output power *	11/14/17/22 kW		3,7/4,6/5,7/7,3 kW
Control	local - automatic or RfID / remote – OlifeEnergy Cloud **, OCPP **		
Residual protection	rezidual DC current detection (IEC 62955)		
Max. input current *	16/20/25/32 A		
Communication **	OlifeEnergy Cloud, OCPP 1.6/2.0		
Data connection **	Ethernet, USB (GSM, Wi-Fi)		
Input voltage	3×400 V		
IP rating	IP 66		
Operating temperature	od -25 do 40 °C		
Operating humidity	od 5 % do 95 %		
Weight	6 kg	8 kg	7 kg
Dimensions	17×29×12 cm		
Ordering code	T2Z	T2K	T1K

\* Power is limited to the building mains circuit breaker. The power limit can be adjuste by OlifeEnergy Cloud \*\* Smart version only

## OLIFEENERGY WALLBOX BASE

Wallbox suitable for private or small company E.V. charging. Authorisation is secured by RFID chips. The wallbox is equipped with anti-overload function to prevent building electric grid from overloading. The power can be adjusted by external module OlifeEnergy SmartMeter regarding available power in real time.

## OLIFEENERGY WALLBOX SMART

Wallbox with advanced functions. OlifeEnergy Cloud and OCPP protocol is supported. Remote administration, diagnostics, power control of multiple chargers and smartphone app control is available for Smart version of OlifeEnergy Wallbox.

Comparison	BASE	SMART
Anti-overload function	•	•
22 kW charging	•	•
RFID authorisation	•	•
Cloud, OCPP authorisation		•
Commercial charging support		•
Charging monitoring		•
3rd party systems connection		•
Public operation		•
Smartphone control support		•
Power control *	1 stanice	neomezeně stanic

\*Power control is secured by external module The SmartMeter

## SLUŽBY OLIFEENERGY CLOUD

OlifeEnergy Cloud is a platform for remote monitoring, management and clients charging. User is provided with the access to information about his charging station and it's setting through web interface. The platform offers multiple services which can be combined. OlifeEnergy Cloud is supported only by SMART version of Olife chargers.

### Remote monitoring

Basic service for remote communication with the charging station. The user is informed about status and energy consumption including history data. Thanks to remote access the OlifeEnergy center can easily diagnose possible problem, in most cases it is even possible to adjust the issue remotely. SIM card for GSM module is included in the package.

### Payment system

This service allows the OlifeEnergy charging station owner to define the fee for station operation. Cost of transaction fee is added to each charging session price paid by charging station user.

### Access control

This service allows management of users allowed to use the OlifeEnergy charging station. The charger can appear as a public charging station in OlifeEnergy Net map of chargers, or it can be visible only to a certain group of users. A List of all individual charging sessions (user, time and consumed energy) data is available for the charging station owner with this service.

### Power control

A Load-Balancing service for advanced control of the charging station. If there is not enough power to charge the E.V., or E.V. fleet, consumption of the charging station(s) can be controlled based on specific maximum withdraw limit (weak grid) or dynamically (based on maximum

consumption of the building in a certain time frame).

Overall the Power control service brings savings for reducing building main circuit breaker tariff or maximum reserved power payments, it also prevents possible penalties for overstepping maximum quarter-hour power withdraw limits.