

OlifeEnergy DoubleBox



DoubleBox is a hard-wearing 22 kW AC charging station for all electric vehicles and is currently available on the EU market. It can charge two vehicles simultaneously, up to 22 kW each. DoubleBox can be equipped with two Type 2 sockets or two Type 2 or Type 1 plugs with cable. It is designed for both indoor and outdoor wall-mounted installation. Optionally, DoubleBox can be installed on a floormounted post.

The DoubleBox charger is ready for local control – the charging session is automatically started after connection to vehicle is established, an optional RfID chip control is also available. Remote control is also possible via the OlifeEnergy Cloud OCPP server. Cloud backend secures not only the monitoring, but also user authorization, diagnostics or power balancing functions. DoubleBox 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.

SPECIFICATIONS

Output	sockets	cables	cables
Output type	2x Type 2	2x Type 2	Type 2, Type 1
Output power*	22/27/34/43 kW		7/9/11/14 kW
Control	local – plug and charge or RfID ** / remote – OlifeEnergy Cloud **, OCPP **		
Surge protection	2 × 3 pole SPD 32 A		
Residual Current Device	2 × 4-pole RCD type A + DC current RCD IEC62955 compliant		
Max input current	32/40/50/63 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	-25 to 40 °C		
Operating humidity	5 % to 95 %		
Weight	16 kg	17 kg	17 kg
Dimensions	343×550×140 mm		

* Power is limited to the building mains circuit breaker

** Only for Smart

OLIFEENERGY DOUBLEBOX BASE

Wallbox variant suitable for private operation or deployment in smaller companies. Authorization is done via RfID cards, the station is equipped with a power limit function that helps against electrical overload. To make the charging time shorter, the station can divide the power input between two charged vehicles according to their needs. Total power consumption the station can be dynamically controlled using an external module OlifeEnergy SmartMeter to ensure optimal use capacity of the existing electrical connection.

OLIFEENERGY DOUBLEBOX SMART

Durable wallbox with extended functionality. In contrast, The Base Station model supports the OlifeEnergy Cloud service and OCPP protocol. It also provides remote communication (LAN, GSM), station diagnostics, power control of multiple stations, charging monitoring and control using RFID chips and the OlifeEnergy mobile app.

Comparison of variants

	BASE	SMART
Circuit breaker protection	•	•
Charging up to 44 kW	•	•
RfID authorization	•	•
Authorization Cloud, OCPP		•
Possibility of charging		•
Charging records		•
Connection to the internal system		•
Publication on the map of stations		•
Mobile phone control		•
Performance management *	for 2x E.V.	unlimited E.V.

* power control is an external SmartMeter module

OLIFEENERGY CLOUD SERVICES

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.

Remote monitoring

Basic service for remote communication with the charging station. The user is informed about status and energy consumption including history data. With the Remote monitoring service, the charging station is presented in OlifeEnergy Net charging network for free. 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

Access control

This service allows management of users allowed to use the DoubleBox charging station. The DoubleBox can appear as public charging station in OlifeEnergy Net, or it can be visible only to a certain group of users.

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

Performance management

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 – MaR system).

Payment system

This service allows the OlifeEnergy AC charging station to be operated in public charging mode. Charging fee is defined by the owner.