

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.

OPTIONAL EXTENSION MODULES

There are hardware modules which extend the functionality of the OlifeEnergy DoubleBox charging station. Extensions can be installed later upon a user's request.

Local control unit

Controls single charging station (OlifeEnergy AC, IB, DB) to transfer all available power in the building or dedicated circuit into charged vehicle(s). It decreases time of charging without necessity or increase main SPD, providing significant decrease of fixed and regular costs.

Rfid module

The Rfid reader allows user authorization through common key-cards or chips (entrance cards, client cards, etc.). Rfid module can operate locally by Rfid chips stored in the DoubleBox memory. Optional remote configuration and control through SmartCharge module is also available.

SmartCharge module

The Smart computing unit which allows the charger to communicate with OlifeEnergy Cloud or other OCPP server. The SmartCharge module provides remote communication (LAN, GSM), charging station diagnostics and monitoring, smartphone app control and also advanced control of maximum input power.

GSM module

If either net or wifi connection is unavailable, the charger can connect to the Internet via cellular data network (GSM).

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 a public charging station in OlifeEnergy Net, or it can be visible only to a certain group of users.

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 – MaR system).

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.

Payment system

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



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 32A		
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	13 kg	17 kg	16 kg
Dimensions	30×50×15 cm		
Model name	T22Z	T22K	T21K

* Power is limited to the building mains circuit breaker

** Via optional equipment



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