Product sheet

Alfen Eve wallbox

allego

AC Eve wallbox charging station

Charging with the Eve wallbox

Who is it for?

Our regular (AC) chargers are intended for average- and longer-length charging sessions for EV drivers who remain at your location. Ideal for hotel guests, restaurant patrons, or meeting participants, as well as for day-long visitors and mall shoppers. And, of course, for employees who are at the office all day.

How regular charging works

EV drivers can charge at two speeds: regular (3.7 kW) and semi-fast (22 kW). In concrete terms, this means that vehicles can be fully charged in periods ranging from one to eight hours. Charging speed depends on factors such as the following:

Charging the vehicle:

The Mitsubishi Outlander and the Volvo V60 , for example, usually charge at 3.7 kW. With batteries ranging from 9 to 12 kWh, these vehicles are usually fully charged in 3 hours. The BMW i3 and the Renault Zoë charge at a semi-fast rate. With a battery of 22 kWh, for example, the Renault Zoë is fully charged in 1 hour.

Simultaneousness:

Our AC chargers have two charging sockets, which means that two vehicles can be charged at the same time. If enough capacity is available for this charger (3 phase 63 amperes), both vehicles will receive the capacity of a maximum of 11 kW. The power is then divided smartly between the two charging sockets. if you are the only car that recharges, you will receive the full 22 kW.

Available capacity:

To be able to charge at a maximum of 22 kW per charger, you must have 3 phase 63 ampere capacity available at each charger. If you have less electrical capacity available, charging capacity will decrease accordingly. You can start with a single charging socket. The number of charging sockets can easily be increased and connected.

Smart charging

Load balancing technology makes it possible to use this charger in a charging plaza as well. Load balancing ensures that the charging station itself allocates the energy among the vehicles being charged. The charger analyses how much power is available and how much the vehicles actually need. The smart electronics then allocate the power among the chargers based on the maximum capacity. This allows electric vehicles to be charged at any time, even when the electrical installation has a limited capacity.

Allego's services

- Full installation and site set-up;
- Pro-active monitoring and 24/7 help desk;
- Settlement of charging sessions with third parties.

Technical specification

Equipment features and environmental factors	
Equipment type	Wallbox with two AC charging sockets
Assembly	Affixed to a pole or wall
Dimensions	550 mm x 300 mm x 207 mm depth (H x B x T)
Type Weight	AC 25 kg
Ambient temperature	–20°C – +40°C
Degree of protection	IP54
Developed in accordance with	IEC 61851-1 (2010) en IEC 61851-22 (2001) DEKRA Seal guidelines,
Installation requirements	IEC 61851-1, NEN 1010

Electrical features, charging mode	
Electricity usage	400 V 3-phase
Usage metering	MID approved, suitable for settlement
System security	System 40A
Load-balancing	Dynamic between the charging sockets
Charging capacity per outlet	11 kW (400V, 16A), 22 kW (400V, 32A), Type 2 socket with locking system

Communication and operation	
Authorisation	RFID or distance-activation (e.g. with App)
Status information	4-colour LED
Communication protocol	OCPP 1.6 via GSM or Ethernet
Options	
Colour	RAL 7016 (anthracite grey) or RAL 9016 (white)
Pedestal	RAL 7016 (anthracite grey)

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