

Product sheet

DC Wallbox 24 kW

Fast charging



allego 

Charging with the DC Wallbox

Who is it for?

Our DC wallbox is extremely suitable for short and average-length charging sessions for EV drivers who remain at your location. Specifically for guests with fully electric vehicles. Ideal for stops at retail locations, business centres, or roadside restaurants, as well as for car dealers, car share concepts, e-sharing concepts, e-taxis, or fleet vehicles that are fast-charged to be handed over to the next client as soon as they are returned. More and more brands are fitting their cars out with a DC charging option. With the DC Wallbox, you will be ready for the future!

How fast charging works

EV drivers whose vehicles have a DC fast charging option can charge at up to 24 kW. This means that a fully electric vehicle can be charged two to six times faster than with another charger. Charging and charging speed depend on the following factors:

Charging the vehicle

The DC Wallbox 24 kW is available in the following two versions:

- CCS Combo (DC), for e.g. the BMW i3, VW e-Golf, or Hyundai IONIQ.
- CHAdeMO (DC), for e.g. the Nissan Leaf and the Mitsubishi Outlander.

Battery capacity

The capacity of an e-vehicle's battery plays an important role in how quickly it can be fully charged. The DC Wallbox charges an empty electric vehicle with a battery capacity of 20 kWh in 1 hour. Newer models with approximately 30 kWh, such as the new Leaf, e-Golf, and i3, are fully charged in 1.5 hours. The speed is also dependent on the battery's temperature and state of charge.

Available capacity

Charging with the DC Wallbox at full capacity at the location requires electrical capacity of 3x40 amperes. The electrical input of the Wallbox can be reduced to 3x32 amperes, which logically reduces the output to 19 kW.

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 a DC charging socket and fixed cable
Assembly	Installation against a wall or on an optional pole
Dimensions	798 mm x 478 mm x 302 mm (H x B x D)
Type	CHAdeMO up to 24 kW CCS Combo2 up to 24 kW
Weight	68 kg
Cable length	4 meter
Local temperature	-25°C till +50°C (-25°C till +30°C without limiting load speed)
Degree of protection	IP54, suitable for outdoor use
Developed in accordance with	Complies with EU directives: 2014/35/EU, 2014/30/EU en RoHS Product and safety standards: IEC 61851-1, IEC 61851-21-2, IEC 61851-23, IEC 62196-3, ISO/IEC 15118, DIN SPEC 70121 of CHAdeMO 1.0 EMC: CISPR11 Klasse A
Electrical features, charging mode	
Electricity grid connection	400 V (3-Phase)
Input	40A
System security	50A
DC charging capacity	DC power output: 24 kW (Mode 4) Voltage range DC: 200 to 485 V max. output DC: 62 A
Efficiency	>94% measured output
Usage metering	in use with time-related invoicing
Communication and operation	
Authorisation	RFID or Remote activation (by App)
Status information	2 line text display language options: Dutch, English, German, and French
Connectivity	2G & 3G GSM for connection on the OCPP1.5 back-end
Options	Colour: dark grey (RAL 7021) with front panel in RAL 9016 (white) with Allego house style. Optional: having your own design on the front panel is possible



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