

Product sheet

Efacec QC 45



allego 

Efacec QC45 Fast Charger

Charging with the Efacec QC45

Who is it for?

Our fast chargers are suitable for a brief stop, after which EV drivers can go on their way quickly. Ideal for stops at retail locations, business centres, or roadside restaurants, as well as for 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 have returned.

How fast charging works

EV drivers whose vehicles have a fast-charging option can charge at up to 50 kW. That means that a fully electric vehicle can be charged to 80% capacity in 20 minutes. Charging and charging speed depend on the following factors:

Charging the vehicle:

There are two international standards for fast-charging: AC (43 kW) and DC (50 kW). There are also various types of plugs:

- CCS Combo (DC), for e.g. the BMW i3 and the VW e-Golf.
- CHAdeMO (DC), for e.g. the Nissan Leaf and the Mitsubishi Outlander.
- AC (AC), for e.g. the Renault Zoë and the Tesla Model S.

Simultaneousness:

The charger can fast-charge simultaneously on AC and DC.

That means that two vehicles can be charged at full capacity at the same time. The fast charger can also be connected to a charging plaza, which allows regular and fast charging to be combined.

Available capacity:

Simultaneous AC and DC charging at full capacity requires electrical capacity of 125 amperes. Fast charging one vehicle requires 80 amperes. If less electrical capacity is available but two cars are being charged at the same time, the charging capacity will decrease.

Allego's Efacec fast charger has three charging sockets with outlets for the three types of plug and satisfies international standards. This means that every electric vehicle with a fast-charge option can charge there.

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	Charging pole with two DC and one AC charging sockets		
Assembly	Installation on a concrete foundation		
Dimensions	1800 mm x 600 mm x 600 mm depth (H x W x D)		
Type	CHAdeMO up to 50 kW	CCS (Combo) up to 50 kW	AC up to 43 kW
Weight	600 kg		
Ambient temperature	-25°C – +50°C		
Degree of protection	IP54		
Developed in accordance with	JEVS G104 (CHAdeMO) IEC61851-23 PLC (CCS / Combo-2) IEC61851-1 (AC)		

Electrical features, charging mode

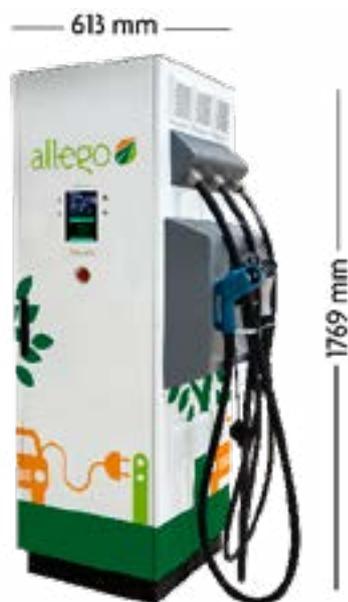
Electricity usage	400 V 3-phase
Usage metering	MID approved, suitable for collecting payment
Cutout	Automatic 63A
Load-balancing	Dynamic between the charging points
AC charging capacity	230 V or 400 V 43 kW
DC charging capacity	50 Vdc to 500 Vdc 45 kW continuous / 50 kW peak

Communication and operation

Authorisation	RFID or distance activation (e.g. using an app)
Status information	Display - 6.4" TFT colour screen

Options

Colour RAL 9016 (white) or RAL 9007 (grey)



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