

SWARCO

# eVOLVE 25 DC SERIES

THE MOST COMPACT AND AFFORDABLE DC CHARGING SOLUTION

## APPLICATION

The eVolve DC Series has been designed to provide DC charging for small private charging environments, where limited power supply can sometimes present a hurdle. Ideal for those operating EV fleets, pool cars, dealerships and private car parks, the eVolve 25 DC quick charger enables improved charging efficiency and maximum utilisation of today's larger battery capacities.



## CONCEPT DESIGN

The eVolve DC series combines the compact housing from the popular eVolve AC series with state-of-the-art modular DC charging systems, producing a low cost, compact DC charger that adds to our existing range of DC charging solutions. The eVolve 25 DC has been designed to reduce charging times for larger battery electric vehicles by charging up to 80 miles (25kW) in one hour. With two models available, the unit can be wall mounted or freestanding (Wallbox / Post).

## PRODUCT HIGHLIGHTS

- Simple operation thanks to the **'Free to Charge'** mode, allowing the user to forgo authentication.
- Fast, straightforward interaction with the charger through two **Start/Stop buttons** with LED indicators that guide the user through each step of the charging process.
- Its **RGB light bar** enables the user to see the charger status (free, error, charging or completed) at a glance.
- Its **aluminium and ABS plastic enclosure** provides protection against mechanical stress and severe weather conditions, offering greater durability and preventing it from needing replacement in the short term.
- Its **compact exterior design** is typical of an AC charger, however, because **it provides up to 25 kW DC**, it is able to reduce charging time by half or even two-thirds for increased user satisfaction.
- Its lockable front door enables easy access to the inside of the charger for **faster installation and maintenance**. The charger can also be installed next to a wall to optimise available space.
- Developed with **future-proof technology to charge using a broad voltage scale** (from 200 to 920 V), it is capable of charging both new small electric cars and heavy vehicles such as electric buses and lorries.
- The eVolve DC series includes optional **electrical safeguards**, not only to minimise the risk of electric shock, but also to deactivate the device on site, which reduces operating costs (OpEx) during technical maintenance or repair services.
- Lower energy consumption — and therefore lower OpEx — due to **sustained high efficiency** since the power module is disconnected when the electric vehicle no longer requires energy for charging.

# eVOLVE 25 DC SERIES

## GENERAL SPECIFICATIONS


AC power supply	3P + N + PE
AC Input V	400V AC +/- 10%
Power Factor	> 0.98
Efficiency	94% at nominal output power
Frequency	50 / 60Hz
Required power supply capacity	27 kVA
Maximum AC input current	39 A
Maximum output power	25 kW
Maximum output current	70 A
Output voltage	150-920 Vdc
Compliance	CE / Combo-2 (DIN 70121; ISO15118) IEC61851-1; IEC61851-23 IEC61851-21-2
Enclosure material	Aluminium & ABS

Enclosure rating	IP54 & IK10
Operating humidity	Up to 95%
Ambient temperature storage	-40 °C to +60 °C
Lights for status indication	RGB colour indicator
Start / Stop system	Physical button with indicator led light
Enclosure door lock	Key lock
Charge cable length	5.5 metres
Safety protections (only post)	RCD type B 30mA MCB curve C

### OPTIONAL DEVICES

Safety protections (only wallbox)	RCD type B 30mA MCB curve C
Customisation	Frontal labelling

## MODEL SPECIFICATIONS

MODELS	POST CCS	WALLBOX CCS
Operating temperature	-30°C to +45°C (Low Temp. Kit)	-5°C to +45°C
Environment	Outdoor	Indoor
Dimensions (W x H x D)	382 x 1750 x 236 mm	382 x 984 x 236 mm
Weight	65 kg	52.6 kg
Cable support	Integrated connector holder and cable roller	Cable roller
Connection	CCS2 	CCS2 