

SWARCO

eVOLVE 25 DC RECEIVER WALLBOX

THE FASTEST MULTI-CHARGING SOLUTION WITH MINIMAL COSTS

APPLICATION

The eVolve DC series is designed to adapt DC charging to a compact format, applying it to contexts where AC charging is insufficient, thereby improving charging speed and reducing the required investment. The controller-receiver system, which can be combined with the entire eVolve (AC) and Raption (DC) range, also makes it ideal for all multi-point and multi-speed charging scenarios. It is available in two formats, depending on the installation: wallbox and post.



CONCEPT DESIGN

The worlds of AC and DC come together in the eVolve DC to maintain high charging power in the typical compact AC format, making it possible to supply 25 kW of DC power to all electric vehicles. The controller-receiver system minimises the initial investment (CAPEX) and operating expenses (OPEX) at facilities with various chargers. In turn, this makes it simple to manage all receiver chargers through the controller, both in terms of communication and the user interface: a solution that avoids loss of performance and reduces costs.

PRODUCT HIGHLIGHTS

- Using a typical **small AC enclosure**, eVolve DC is capable of supplying **25 kW of DC power in a fast charge** to any electric vehicle. This reduces the charging time by half or two thirds, improving the user experience and optimising the number of vehicles charged.
- The eVolve and eVolve DC chargers can be used as controllers and/or receivers within the same charging system, and a Raption charger can even be used as a controller for all of them. This allows for a **unique mixed modular charging system, combining controller-receiver and AC-DC**, making it possible to find the perfect formula for positioning and adapting any charging environment to meet all needs.
- The **wall-mounted installation** is ideal for space optimisation, leaving room for vehicles to park underneath to make charging as convenient as possible from any parking space.
- The **door at the front with lock and encoded security key** enables maintenance access while also making it more difficult to vandalise. The charger can also be fitted to the wall, optimising the available space.
- The eVolve DC range has been designed with Raption family technology to work within a **voltage range of 200 to 920 V**. This enables it to adapt to new and future EV models and facilitates the charging of other heavier vehicles, such as buses or lorries.
- Thanks to the **controller-receiver system**, the eVolve DC Wallbox has an interface that allows it to be operated by the user in the language of their choice from among more than 30 options.
- The eVolve DC Controller/Receiver features a **contactless payment** system that offers easy, intuitive and quick transactions.
- To meet the most stringent billing requirements, the eVolve DC series includes **MID-certified meters**.

eVOLVE 25 DC RECEIVER WALLBOX


GENERAL SPECIFICATIONS

AC power supply	3P + N + PE
AC Input voltage	400 V AC +/- 10% three-phase
Power Factor	> 0.98
Efficiency	94% at nominal output power
Frequency	50 / 60Hz
Power supply capacity	27 kVA
Maximum AC input current	39 A
Maximum output current	70 A
Compliance	CE / Combo-2 (DIN 70121; ISO 15118) IEC 61851-1; IEC 61851-23 IEC 61851-21-2
Enclosure material	Aluminium & ABS
Enclosure rating	IP54 & IK10
Operating humidity	Up to 95%
Operating temperature	Between -5 °C and +45 °C
Storage at room temperature	Between -40 °C and +60 °C
Environment	Indoors
Indicator light	RGB colour indicator
Enclosure door locking	Key lock
Enclosure access	Door at front
Cable length	5.5 metres
Cable support	House holder
Dimensions (W x H x D)	382 x 984 x 236 mm
Weight	56 kg
Meter	MID Meter Class 1 - EN 50470-3

Receiver	
Communication with the controller	UTP ethernet
Connectivity	Switch TPC ethernet 8 ports

OPTIONAL DEVICES	
Customisation	Frontal labelling

MODEL SPECIFICATIONS

MODELS	Wallbox Receiver CCS
Maximum output power	25 kW
Output voltage	150-920 V DC
Safety protections	-
Connection	CCS2 

Ref: SWARCO eVOLVE 25 DC RECEIVER WALLBOX