

SWARCO

RAPTION 25 WALLBOX

THE MOST VERSATILE DC CHARGER SOLUTION

APPLICATION

The Raption 25 quick charger 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, dealership and private car parks, the Raption 25 quick charger enables improved charging efficiency and maximum utilisation of today's larger battery capacities.



CONCEPT DESIGN

For the Raption 25 series we have incorporated existing successful designs from our wide product portfolio. By combining the compact housing from our popular eVolve AC series with our state of the art modular DC charging systems, we have produced a low cost, compact DC charger that adds to our existing range of DC charging solutions. With the same small footprint as an AC charger, the Raption 25 has been designed to reduce charging times for larger battery electric vehicles by charging up to 80 miles (25kW) in one hour.

PRODUCT HIGHLIGHTS

- Simple user operation thanks to its **Free to Charge** mode that avoids user authentication by means of an RFID card, phone app or equivalent identification method.
- **User satisfaction** thanks to quick and clear interaction via **Start/Stop buttons** with green and red LED indicators to guide the user through each step of charging.
- **RGB colour indicator** to indicate the charging status and provide a quick and easy-to-use interaction with the charger.
- **Aluminium and ABS plastic housing** have been combined in a robust structural design that provides protection to both mechanical stress and severe environmental conditions, increasing the charger lifespan.
- **Compact DC design** with a footprint equivalent to public AC chargers but capable of delivering more power. Improved user experience with charging time 2-3 times quicker.
- Its designed based on future-proof technology with a **wide voltage range** (standard CharIn voltage range 200-920V) that allows charging of upcoming new vehicles and heavy duty vehicles such as e-bus and e-truck.
- Its **frontal key-locked door** provides easy access to the inside of the charger which results in a lower OpEx (Operating Expenditure) due to a quicker installation and service (preventive/corrective).
- Raption 25 Wallbox includes **electrical protection**, not only to minimise the human safety risk of electrical shock but also for on-site device de-energization, reducing operating time (OpEx), in case of technical maintenance or repair assistance.
- Lower energy consumption (and therefore OpEx) is achieved due to a **sustained high efficiency** level resulting from disconnecting the power module when the EV is not demanding energy for charge.


RAPTION 25 WALLBOX

GENERAL SPECIFICATIONS

| | |
|------------------------------|--|
| AC power supply | 3P + N + PE |
| AC input V | 400V +/- 10% three-phase |
| Power factor | > 0.98 |
| Efficiency | 94% at nominal output power |
| Frequency | 50 / 60Hz |
| Compliance | CE / Combo (DIN 70121; ISO15118) EN61851-1; EN61851-23 EN61851-21-2 |
| Enclosure rating | IP54 & IK10 |
| Cable support | Integrated connector holder |
| Environment | Indoor |
| Noise level | < 55dBA |
| Dimensions (W x H x D) | 382 x 984 x 236mm |
| Weight | 52 Kg |
| Operating temperature | Up to 95% |
| Operating humidity | -30°C to +45°C |
| Ambient temperature storage | -40 °C to +60 °C |
| Lights for status indication | RGB colour indicator |
| Start / stop system | Physical buttons |
| Enclosure door lock | Key lock |
| Charging protocols | CCS 2 |
| Charge cable length | 3 metres |

| OPTIONAL DEVICES | |
|---------------------|------------|
| Safety protections | RCD type B |
| Cable charge length | 5.5 metres |

MODEL SPECIFICATIONS

| | |
|--------------------------------|---|
| Required power supply capacity | 27 KVA |
| Maximum AC input current | 38 A |
| Maximum output power | 25 kW |
| Maximum output current | 72 A |
| Output voltage | 150-950 VDC |
| Number of plugs | 1 |
| Connection |  CCS2 |

Ref: SWARCO A4 2P Raption 25 Wallbox_260721