

Raption 400 HPC

The perfect solution for high-traffic areas and service stations

Application

The power and performance of the Raption HPC makes it perfect for highly dense traffic contexts, such as highways, EV charging stations, and intense vehicle transit urban areas. It offers extremely fast charging, making it the best option for reducing queues and alleviating overcrowded charging stations.

Concept design

The Raption HPC provides a way to plummet driver's waiting time. Its stylish and robust design makes it easy to install at industrial locations and other more sophisticated urban areas. Through the splitting of power unit and dispenser, it is easier to access the charger when performing maintenance and repairs, also allowing more space for vehicles.



Product highlights

For the Operator / Owner

- The Raption 400 HPC is a 400 kW charger designed to **charge large battery-vehicles** in a short time.
- It's separated dispenser has a **reduced footprint**, which allows to minimise the occupied space into the parking bay or the facilities.
- This system is capable of maintaining a consistent level of **efficiency and lowering energy consumption** since its power modules can be shut down when vehicles require less power.
- Its **modular design** makes it easy to adjust charging power to suit the needs of each user.
- It achieves a higher uptime and lower operating costs thanks to its unique **connector protection concept**. The connector locking feature (optional) and floating cable design reduce the risk of connector and plug breakage.
- The lockable door at the front facilitates **maintenance and repairs access**, which results in a lower OPEX due to quicker installation and servicing (preventive/corrective).
- The system can be **set as a master** in the master-satellite solution that includes DC and AC charge points.

For the User

- Its **8-inch anti-vandal colour touchscreen** can be read at daylight, not only displaying clear charging instructions and the operational status of the charger, but also allowing users to select their language.
- Its **courtesy light** makes it easier to find the charging station and the operating instructions in low light conditions.
- The height of the connector and the screen are in **compliance with international disability standards**.
- Its **built-in payment terminal** (optional) offers a very easy and intuitive payment experience that will improve the user experience. Users will not be required to be a member of any platform, all they will have to do is tap the terminal with their card.
- Built in **active fluid-air cooling system**, to provide a continuous 500A charge.

Raption 400 HPC series

General specifications

Compliance	CE/Combo-2 (DIN 70121; ISO15118) IEC 61851-1; IEC 61851-23; IEC 61851-21-2
Enclosure rating	IP54 / IK10
Enclosure material	Stainless steel
Operating temperature	-30 °C to +50 °C
Storage temperature	-40 °C to +60 °C
Operating humidity	5% to 95% non-condensing

Dispenser

Network connection	Ethernet 10/100BaseTX
Interface protocol	OCPP 1.5 or OCPP 1.6J
RFID reader	ISO / IEC14443-1/2/3 MIFARE Classic
Display HMI	8-inch anti-vandal colour touchscreen
Power limit control	By software
Cable length	5 m
Light beacon	RGB colour indicator
Dimensions (D x W x H)	527 x 675 x 2122 mm (without cable engaged)
Weight	190 kg
Cooling system	Forced ventilation
Cable cooling system	Liquid-cooled
Noise level	<55 dB
AC meter	Compliant with EN 50470-1 and EN 50470-3 (MID European standards) and IEC 62052-11
Wireless communication EU	4G LTE /WiFi Hotspot/GPRS/GSM

Power unit*

AC power supply	3P + PE
AC voltage	400 V AC +/- 10%
Maximum AC input current	640 A / 320 A
Power supply capacity	434 kVA / 217 kVA
Power factor	>0.98
Efficiency	95% at nominal power
Frequency	50 / 60 Hz
Cooling system	Forced ventilation
Noise level	<55 dB
Electrical input protection	Load Break Switching (LBS)
Dimensions (D x W x H)	850x605x2302 mm
Weight	350 kg

* HPC 400 models need 2 Power Units

Optional devices

Overvoltage protection	IEC 61643-1 (class II) four-pole transient overvoltage protector
Anti-vandal connector protection	Mechanical connector locking
RFID extension	Legic Advant / Legic Prime ISO 15693/ISO 18092. Sony FeliCa
Contactless payment	Built-in credit card payment terminal
Wireless connection LATAM/APAC	4G LTE/GPRS/GSM

Model specifications

HPC 400 models (cooled)	CCS
Maximum output power	400 kW
Output voltage	150-920 V
Maximum output current	500 A (cooling cable)
Connection	

