

# 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

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

### Dispenser

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

### Power unit\*

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

\* HPC 400 models need 2 Power Units

### Optional devices

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

## Model specifications

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

