Raption 350 HPC

The solution for high-traffic areas and service stations

Application

The power and performance of the Raption 350 HPC make it perfect for highly vehicle-dense areas, such as highways, EV charging stations, and vehicle-dominated urban areas. And thanks to its two connectors and high power, it offers extremely fast charging even when simultaneously charging two EVs, making it the best option for reducing queues and alleviating overcrowding at charging stations.

Concept design

The Raption 350 HPC provides a way to cut driver waiting time. Its stylish and robust design makes it easy to install at both industrial locations and other more sophisticated urban areas. Thanks to the split between electrical cabinet and pump, it is easier to access the charger when performing maintenance and repairs, and also allows more space for vehicles.

Product highlights

For the **Operator / Owner**

- The Raption 350 HPC **is a 350-kW charger** designed to charge large battery-vehicles.

- Thanks to its two connectors, **it can charge two EVs at the same time**, splitting the available power (175 kW + 175 kW).

- 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 thanks to its HPC 175 (with a maximum power of 175 kW) and HPC 350 models (with a maximum power of 350 kW).

- It achieves higher uptime and lower operating costs thanks to its **unique connector protection concept**. The connector locking function (optional) and floating cable design reduce the risk of connector and plug breakage.

- Thanks to a **lockable door at the front** making it easy to access the inside, system installation, maintenance, and repairs are streamlined. The system can also be installed next to a wall to optimise the space.

- The system can be **set as a master** in the master-satellite solution**.**

For the **User**

- Its **8-inch anti-vandal colour touchscreen can be read in daylight**, not only displaying clear charging instructions and the operational status of the charger, but it also allows users to select their language.

- Its **courtesy light** makes it easier to find the charging station and the operating instructions in dark areas.

- The **height of the connectors 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.

Raption 350 HPC *series*

General specifications

Compliance	CE/Combo-2 (DIN 70121; ISO15118) IEC 61851-1; IEC 61851-23; IEC 61851-21-2
	CHAdeMO compatible
Enclosure rating	IP54 / IK10
Structure material	Stainless steel
Operating temperature	-10 °C to +50 °C
Storage at room temperature	-20 °C to +60 °C
Maximum humidity	5% to 95% non-condensing

Pump

Connections	Ethernet 10/100BaseTX
Protocol	OCPP 1.5 or OCPP 1.6J
RFID system	ISO / IEC14443-1/2/3 MIFARE Classic
HMI screen	8-inch anti-vandal colour touchscreen
Output power limit	CC by software
CC CCS cable length	3.5 metres
CC CHAdeMO cable length	3.5 metres
Indicator light	RGB colour indicator
Dimensions	526×675×2122 mm
Weight	150 kg
Cooling system	Forced air cooling fluid cables
Noise level	<55 dBA
AC meter	Compliant with EN 50470-1 and EN 50470-3 (MID European standards) and IEC 62052-11
Wireless connection EU	4G LTE /WiFi Hotspot/GPRS/GSM

Power unit

AC power supply	3P + N + PE
AC voltage	400 V AC +/- 10%
Maximum AC input current	549 A / 275 A*
Apparent power	380 kVA / 190 kVA*
Power factor	>0.98
Efficiency	94% at nominal power
Frequency	50 / 60 Hz
Cooling system	Forced ventilation
Noise level	<55 dBA
Electrical input protection	Turning off main breaker
Overload protection	MCB
Current protection	Type B RCD
Dimensions	800×1000×2100 mm
Weight	440 kg

Optional devices

Overvoltage protection	IEC 61643-1 (class II) four-pole transient overvoltage protector
Cable length	5.5 m metres (all cables)
Anti-vandal connector protection	CHAdeMO, CCS (mechanical connector locking)
RFID extension	Legic Advant / Legic Prime ISO 15693/ISO 18092. Sony FeliCa
Low temperature kit	-30 °C to +50 °C
Contactless payment	Built-in credit card payment terminal

HPC 175 models

Model specifications

HPC 350 models	CCS500	CCS500 CHA200	
Maximum output power	CCS: 350 kW	CCS: 350 kW CHA: 100 kW	
Voltage range	CCS: 150-920 V	CCS: 150-920 V CHA: 150-500 V	
Maximum output current	CCS: 500 A (cooling cable)	CCS: 500 A CHA: 200 A	
HPC 175 models	**CCS500**	**CCS400 CHA200**	
Maximum output power	CCS: 175 kW	CCS: 175 kW CHA: 100 kW	
Voltage range	CCS: 150-920 V	CCS: 150-920 V CHA: 150-500 V	
Maximum output current	CCS: 500 A (cooling cable)	CCS: 500 A CHA: 200 A	
HPC 175 models	**CCS315**	**CCS315 CHA200**	
Maximum output power	CCS: 175 kW*	CCS: 175 kW* CHA: 100 kW	
Voltage range	CCS: 150-920 V	CCS: 150-920 V CHA: 150-500 V	
Maximum output current	CCS: 315 A	CCS: 315 A CHA: 200 A	

*175 kW to 600 V
125 kW to 400 V