Raption Compact 80

A plus of power that makes the difference

This fast charger stands out from other market solutions thanks to its plus of power which makes it an ideal choice for urban and interurban environments. It offers 80 kW fast charging for a single EV and 40 kW per plug when charging two vehicles simultaneously, providing flexibility and adaptability to meet charging demand. Additionally, it includes the enhanced user experience of the Raption series, along with modular architecture, high efficiency, and advanced connectivity features.

Product highlights

Power
Up to 80 kW of power for charging up to 80 km in 10 minutes

Simultaneous charging
It offers up to 40 kW of simultaneous charging of two EVs splitting the available power

Adjustable
Compatible with Circontrol's dynamic load management system (DLM). Besides, it features Master configuration capabilities in Master-AC Satellite solutions

User-friendly
The 15-inch touchscreen, combined with its intuitive interface and other user-focused features like assisted cable management, courtesy lights, and contactless payment enhances the user experience

Accurate
Includes an optional DC direct current billing MID meter, with a built-in LCD display to show real-time measurements, energy, alarms, and legal data to the EV user

Future-proof
Modular architecture with high-efficiency power modules to improve up-time and reduce operating costs

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General Specifications

AC power supply	3P + N + PE
AC Voltage	400V AC +/- 10% 480V AC +/-10%
Maximum AC input current	142 A
Power supply capacity	86 kVA
Power factor	>0.99
Efficiency	96% at nominal power
Frequency	50 / 60 Hz
Grid isolator	Switch disconnector
Electrical protection	MCB curve C Isolation monitoring device
Connections	Ethernet 10/100 BaseTX
Interface protocol	OCPP 1.6J / 2.0 HW Ready
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	-30 °C to +50 °C
Storage temperature	-40 °C to +60 °C
Operating humidity	5% to 95% Non-condensing
RFID Reader	NFC, ISO/IEC 14443A (MIFARE Classic, MIFARE DESFire EV1)
HMI screen	15" anti-vandal colour touchs-creen
Power limit control	By software
Cable length	4 metres (CCS) 3.5 metres (CHAdeMO)

Lights beacon	RGB colour indicator
Dimensions (D x W x H)	425 x 990 x 1810 mm
Dimensions (D x W x H) *(with cable management)*	500 x 1150 x 1930 mm
Cooling system	Air cooling fans
Operational noise level	< 65 dB
AC Meter	Compliant with EN 50470-1 and EN 50470-3 (MID European standards)or IEC 62052-11
Wireless Communication EMEA	Dual 4G LTE/WiFi Hotspot/ GPRS/GSM
Network hub	Switch TCP ethernet 8 ports

Optional devices	
Wireless Communication LATAM/APAC	4G LTE/GPRS/GSM
Surge protection	Protection against permanent overvoltage IEC 61643-1 (class II)
Cable Length	5.5 metres
Anti-vandal connector protection	CHAdeMO, CCS (mechanical connector locking)
RFID Extension	NFC, ISO/IEC 14443A/B, ISO/IEC 15693, ISO/IEC 18092, (Legic Advant, Legic Prime, Sony FeliCA, Calypso)
Contactless payment	Built-in credit card payment terminal
Cable management	Assisted cable system
Energy metering	DC MID meter (LNE certification included)
Eichrecht version	DIN EN 50470-1; DIN EN 50470-3; DIN EN 50470-4 PTB-A 50.7 REA-Dokument 6-A: 2017-03

Models

Models	CCS	CCS CCS	CCS CHA
Maximum output power*	80 kW	80 kW	CCS: 80 kW CHA: 80 kW
Voltage range	150-920 V	150-920 V	CCS: 150-920 V CHA: 150-500 V
Maximum output current	266 A	266 A	CCS: 266 A CHA: 200 A
Weight	270 kg	300 kg	300 kg
Connection			

*In case of two EVs, the available power is splitted.

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