



Raption Compact 160 & 240

Greater dose of power for a convenient simultaneous charging

These compact ultra-fast chargers can deliver up to 160 or 240 kW of charging power. Their simultaneous charging of 80 or 120 kW per plug offers flexibility based on the charging demand. Moreover, their modular power architecture, high efficiency, and userfriendly design make them suitable for charging hubs and public areas, where minimising charging times is important.



Product highlights



Power

Able to charge at 500 A in Boost mode for charging up to 240 km in 10 minutes (240 kW model).



Simultaneous charging

It offers up to 80 or 120 kW 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 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 offer two models (160 kW or 240 kW). Besides, this architecture improves up-time and reduces operating costs

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General Specifications

AC power supply	3P + N + PE	Light beacon	RGB colour indicator
AC Voltage	400V AC +/- 10% 480 V AC +/-10%	Dimensions (D x W x H)	635 x 1235 x 1910 mm
Power Factor	>0.99	Dimensions (D x W x H) (with cable management)	635 x 1365 x 2050 mm
Efficiency	96% at nominal output power	Cooling system	Air cooling fans
Frequency	50 / 60 Hz	Noise level	<70 dB
Grid isolator	Switch disconnector	AC meter	Compliant with EN 50470-1 and EN 50470-3 (MID European standards) or IEC 62052-11
Electrical protection	MCB curve C Isolation monitoring device	Wireless Communication EMEA	Dual 4G LTE/WiFi Hotspot/GPRS/GSM
Connections	Ethernet 10/100 BaseTX	Optional devices	
Interface protocol	OCPP 1.6J / 2.0 HW Ready	Wireless Communication LATAM/APAC	4G LTE/GPRS/GSM
Compliance	CE / Combo-2 (DIN 70121; ISO15118) IEC 61851-1; IEC 61851-23; IEC 61851-21-2	Surge protection	Protection against permanent overvoltage IEC 61643-1 (class II)
	CHADEMO compatible	Cable length	5.5 metres
Enclosure rating	IP54 / IK10	Anti-vandal connector protection	CHADEMO, CCS (mechanical connector locking)
Structure material	Stainless steel	RFID extension	NFC, ISO/IEC 14443A/B, ISO/IEC 15693, ISO/IEC 18092, (Legic Advant, Legic Prime, Sony FeliCA, Calypso)
Operating temperature	-30 °C to +50 °C	Contactless payment	Built-in credit card payment terminal
Storage temperature	-40 °C to +60 °C	Cable management	Assisted cable system
Operating humidity	5% to 95% non-condensing	Energy metering	DC MID meter (LNE certification included)
RFID Reader	NFC, ISO/IEC 14443A (MIFARE Classic, MIFARE DESFire EV1)	Eichrecht version	DIN EN 50470-1; DIN EN 50470-3; DIN EN 50470-4; PTB-A 50.7; REA-Dokument 6-A: 2017-03
HMI screen	15" anti-vandal colour touchscreen		
Power limit control	By software		
Cable length	4 metres (CCS) 3.5 metres (CHADEMO)		

Models

Models	Raption Compact 160 CCS	Raption Compact 160 CCS CCS	Raption Compact 160 CCS CHA	Raption Compact 240 CCS	Raption Compact 240 CCS CCS	Raption Compact 240 CCS CHA
Maximum AC input current	276 A	276 A	276 A	415 A	415 A	415 A
Required power supply capacity	172 kVA	172 kVA	172 kVA	258 kVA	258 kVA	258 kVA
Weight	515 kg	545 kg	545 kg	545 kg	575 kg	575 kg
Maximum output power *	160 kW	160 kW	CCS: 160 kW CHA: 100 kW	240 kW	240 kW	CCS: 240 kW CHA: 100 kW
Voltage range	150-920 V	150-920 V	CCS: 150-920 V CHA: 150-500 V	150-920 V	150-920 V	CCS: 150-920 V CHA: 150-500 V
Maximum output current	500 A	500 A	CCS: 500 A CHA: 200 A	500 A	500 A	CCS: 500 A CHA: 200 A
Connection						

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