

# 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

# Raption Compact 160 & 240

## General Specifications

<b>AC power supply</b>	3P + N + PE	<b>Light beacon</b>	RGB colour indicator
<b>AC Voltage</b>	400V AC +/- 10% 480 V AC +/-10%	<b>Dimensions (D x W x H)</b>	635 x 1235 x 1910 mm
<b>Power Factor</b>	>0.99	<b>Dimensions (D x W x H) (with cable management)</b>	635 x 1365 x 2050 mm
<b>Efficiency</b>	96% at nominal output power	<b>Cooling system</b>	Air cooling fans
<b>Frequency</b>	50 / 60 Hz	<b>Noise level</b>	<70 dB
<b>Grid isolator</b>	Switch disconnecter	<b>AC meter</b>	Compliant with EN 50470-1 and EN 50470-3 (MID European standards) or IEC 62052-11
<b>Electrical protection</b>	MCB curve C Isolation monitoring device	<b>Wireless Communication EMEA</b>	Dual 4G LTE/WiFi Hotspot/ GPRS/GSM
<b>Connections</b>	Ethernet 10/100 BaseTX	<b>Optional devices</b>	
<b>Interface protocol</b>	OCPP 1.6J / 2.0 HW Ready	<b>Wireless Communication LATAM/APAC</b>	4G LTE/GPRS/GSM
<b>Compliance</b>	CE / Combo-2 (DIN 70121; ISO15118) IEC 61851-1; IEC 61851-23; IEC 61851-21-2  CHAdeMO compatible	<b>Surge protection</b>	Protection against permanent overvoltage IEC 61643-1 (class II)
<b>Enclosure rating</b>	IP54 / IK10	<b>Cable length</b>	5.5 metres
<b>Structure material</b>	Stainless steel	<b>Anti-vandal connector protection</b>	CHAdeMO, CCS (mechanical connector locking)
<b>Operating temperature</b>	-30 °C to +50 °C	<b>RFID extension</b>	NFC, ISO/IEC 14443A/B, ISO/IEC 15693, ISO/IEC 18092, (Legic Advant, Legic Prime, Sony FeliCA, Calypso)
<b>Storage temperature</b>	-40 °C to +60 °C	<b>Contactless payment</b>	Built-in credit card payment terminal
<b>Operating humidity</b>	5% to 95% non-condensing	<b>Cable management</b>	Assisted cable system
<b>RFID Reader</b>	NFC, ISO/IEC 14443A (MIFARE Classic, MIFARE DESFire EV1)	<b>Energy metering</b>	DC MID meter (LNE certification included)
<b>HMI screen</b>	15" anti-vandal colour touchscreen	<b>Eichrecht version</b>	DIN EN 50470-1; DIN EN 50470-3; DIN EN 50470-4 PTB-A 50.7 REA-Dokument 6-A: 2017-03
<b>Power limit control</b>	By software		
<b>Cable length</b>	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
<b>Maximum AC input current</b>	276 A	276 A	276 A	415 A	415 A	415 A
<b>Required power supply capacity</b>	172 kVA	172 kVA	172 kVA	258 kVA	258 kVA	258 kVA
<b>Weight</b>	515 kg	545 kg	545 kg	545 kg	575 kg	575 kg
<b>Maximum output power *</b>	160 kW	160 kW	CCS: 160 kW CHA: 100 kW	240 kW	240 kW	CCS: 240 kW CHA: 100 kW
<b>Voltage range</b>	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
<b>Maximum output current</b>	500 A	500 A	CCS: 500 A CHA: 200 A	500 A	500 A	CCS: 500 A CHA: 200 A
<b>Connection</b>						

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