

# RAPTION 50

## Outdoor rapid charging station with three sockets



### Description

Fast charging device with CHAdeMO and COMBO CCS connectors for DC charging in Mode 4, and with Type 1 or Type 2 connectors for AC charging in Mode 3. The fast-charging **RAPTION 50** device allows opportunity charging in cases where charging speed is required. Depending on the capacity of the batteries, it can provide a full or partial charge in a short time.

The **RAPTION 50** station works with power levels of up to 50 kW. The unit has an interactive screen for easy user interaction, and communications capabilities (Ethernet, 4G) for remote management from the control centre.

### Applications

**RAPTION** devices are ideal for public charging, shopping centres, rental companies, vehicle fleets, company car parks, etc.

### Technical specifications

<b>AC input</b>	AC power supply	3P + N + PE
	AC voltage	400 VAC $\pm$ 10%/480 VAC (on request)
	Power factor	> 0.98
	Efficiency	94% of rated output power
	Frequency	50 / 60 Hz
<b>Electrical safeguards</b>	Overcurrent protection	Circuit breaker
	Residual current protection	30mA type A RCCB
<b>Connectivity</b>	Ethernet	10/100 Base TX (TCP/IP)
	Wireless communications	3G / GPRS / GSM
<b>General</b>	Compliance	CE / Combo2 (Combo1 on request) / CHAdeMO rev. 0.9 certified
	Protection rating	IP 54 / IK 10
	Enclosure material	Stainless steel
	Operating temperature	-10... +55 °C
	Storage temperature	-20... +60 °C
	Relative Humidity	5... 95% (without condensation)
	RFID system	ISO / IEC 14443A / B MIFARE Classic, MIFARE DESFire, MIFARE DESFire EV1 ISO 18092 / ECMA-340 (NFC) 13.56 MHz
	HMI display	8" vandal resistant TFT touch screen
	CCS DC cable length	3 m
	CHAdeMO DC cable length	3 m
	Charge status indicator	RGB LED lights
	Courtesy lighting	3 LED
	Integration protocol	OCPP / XML
	Dimensions	355 x 940 x 1800 mm
	Weight	230 kg
Cooling system	Side fans	
Noise level during operation	< 55 dBA	
<b>Optional accessories</b>	Surge protection	4-pole surge arrester (IEC 61643-11 Class II)
	Residual current protection	Type-B RCCB
	Heating and cooling unit	-30... +55 °C
	Vandal resistant	Mechanical connector lock
	Connector locks with indicating lights	
	Contactless payment system	
Standards	IEC 61851 / IEC 62196 / CE / CCS / CHAdeMO	

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### References

Type	Code	# of sockets	Output	Connector type	Network type	Charging mode	Communications
RAPTION 50 CCS	[8] V17110.	1	50-500 VDC - 125 A - 50 kW	CCS Combo 2 (FF)	Three-phase	4	Ethernet   4G
RAPTION 50 CHA	[8] V17115.	1	50-500 VDC - 125 A - 50 kW	JEVS G105 - CHAdeMO (AA)	Three-phase	4	Ethernet   4G
RAPTION 50 DUO	[8] V17120.	2	50-500 VDC - 125 A - 50 kW	CCS Combo 2 (FF) JEVS G105 - CHAdeMO (AA)	Three-phase	4	Ethernet   4G
RAPTION 50 DUO CCS T2C63	[8] V17121.	2	50-500 VDC - 125 A - 50 kW  400 VAC - 63 A - 43 kW	CCS Combo 2 (FF)  Type 2 Cable	Three-phase	3   4	Ethernet   4G
RAPTION 50 DUO CCS T2C32	[8] V17122.	2	50-500 VDC - 125 A - 50 kW  400 VAC - 32 A - 22 kW	CCS Combo 2 (FF)  Type 2 Cable	Three-phase	3   4	Ethernet   4G
RAPTION 50 DUO CCS T2S32	[8] V17123.	2	50-500 VDC - 125 A - 50 kW  400 VAC - 32 A - 22 kW	CCS Combo 2 (FF)  Type 2 Base	Three-phase	3   4	Ethernet   4G
RAPTION 50 TRIO	[8] V17130.	3	50-500 VDC - 125 A - 50 kW  400 VAC - 32 A - 22 kW	CCS Combo 2 (FF)  JEVS G105 - CHAdeMO (AA)  Type 2 Base	Three-phase	3   4	Ethernet   4G
RAPTION 50 TRIO 63	[8] V17131.	3	50-500 VDC - 125 A - 50 kW  400 VAC - 63 A - 43 kW	CCS Combo 2 (FF)  JEVS G105 - CHAdeMO (AA)  Type 2 Cable	Three-phase	3   4	Ethernet   4G

Independent overcurrent and residual current protection per plug, integrated MID-certified energy measurement, RFID reader for authentication and charge activation - ISO 14443 A/B, emergency STOP button, vandal resistant 8" TFT touch screen, data storage, 4G communications, OCPP 1.5/1.6 communications protocol,

### Dimensions

