

RAPTION 150

Outdoor rapid charging station with dual sockets



Description

RAPTION 150 chargers are the most advanced charging devices for electric vehicles. They offer the fastest charging times on the market, thus making long journeys in an electric vehicle possible while offering comfortable and intuitive handling to users thanks to their design.

They are perfect for use in electric service stations or charging hubs. They are also the ideal solution for fleets of vehicles that have to remain in service for as many hours a day as possible, such as urban buses.

Applications

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

Technical specifications

AC input	AC power supply	3P + N + PE	
	AC voltage	400 VAC \pm 10%	
	Nominal current	228 A	
	Apparent power	158 kVA	
	Power factor	> 0.98	
	Efficiency	95% of rated output power	
	Frequency	50 / 60 Hz	
DC output	Maximum output power	CHAdeMO	CCS Combo 2
		50 kW (*80 kW)	150 kW (@750 (*600)...920 V) 80 kW (*100 kW) (at 400V)
		125 A (*200 A)	200 A (*250 A)
Electrical safeguards	Overcurrent protection	Circuit breaker	
	Residual current protection	30mA type A RCCB	
Connectivity	Ethernet	10/100 Base TX (TCP/IP)	
General	Compliance	CE / Combo2 / CHAdeMO rev. 0.9 certified	
	Protection rating	IP 54 / IK 10	
	Enclosure material	Stainless steel	
	Operating temperature	-10...+50 °C	
	Storage temperature	-20...+60 °C	
	Relative Humidity	5 to 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	
	Cable length	3 m	
	Charge status indicator	RGB LED lights	
	Courtesy lighting	LED	
	Integration protocol	OCPP 1.6/XML	
	Dimensions of the post	378 x 420 x 2067 mm	
	Dimensions of the power unit	800 x 1000 x 2000 mm	
	Weight of the post	100 kg	
Weight of the power unit	280 kg		
Cooling system	Side fans		
Optional accessories	Surge protection	4-pole surge arrester (IEC 61643-11 Class II)	
	Residual current protection	Type-B RCCB	
	Heating and cooling unit	-30... +50 °C	
	Wireless communications	4G LTE / WiFi	
	Vandal resistant	Mechanical connector lock	
	Contactless payment system		
	5.5-m connecting cables		
Standards	IEC 61851 / IEC 62196 / CE / CCS / CHAdeMO		

(*) Optional cable

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References

Type	Code	# of sockets	Output	Connector type	Network type	Communications
RAPTION 150 CCS	[8] V17510.	1	50-920 VDC - 200 A - 150 kW	CCS Combo 2 (FF)	Three-phase	Ethernet 4G
RAPTION 150 CHA	[8] V17515.	1	50-500 VDC - 125 A - 50 kW	JEVS G105 - CHAdeMO (AA)	Three-phase	Ethernet 4G
RAPTION 150 DUO	[8] V17520.	2	50-920 VDC - 200 A - 150 kW 50-400 VDC - 125 A - 50 kW	CCS Combo 2 (FF) JEVS G105 - CHAdeMO (AA)	Three-phase	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

