

RAPTION 50

Quick outdoor charging station with triple charging socket



Description

Quick DC charging station for electric vehicles, with the CHAdeMO and COMBO CCS protocols and AC charging in Mode 3. **RAPTION 50** quick charging stations can quickly charge the electric vehicle when a quick charge is required. The electric vehicle can be partially or fully charged in a very short period of time, depending on the battery capacity.

The **RAPTION 50** station works with power ratings of up to 50 kW. The unit features an interactive screen, in addition to a communication system (Ethernet, 3G), which facilitates interaction with the user and remote management from the control centre.

Applications

RAPTION 50 stations have been specially designed for charging electric vehicles on public roads, in shopping malls, of vehicle fleets, in company car parks, etc.

Technical features

AC input	AC power supply	3P + N + PE
	AC voltage	400 Vac \pm 10%
	Power factor	> 0.98
	Efficiency	95 % nominal output power
	Frequency	50 / 60 Hz
Electrical protection elements	Overcurrent protection	Circuit breaker
	Earth leakage protection	30 mA Type A RCD
Connectivity	Ethernet	10/100 Base TX (TCP/IP)
	Wireless communications	3G / GPRS / GSM
General	Compliance	CE / Combo2 / CHAdeMO rev. 0.9 certified
	Protection degree	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" TFT vandal-proof touchscreen
	DC CCS cable length	3 m
	DC CHAdeMO cable length	3 m
	Indication of the state of charge	RGB LED beacons
	Integration protocol	OCPP / XML
	Dimensions	355 x 940 x 1800 mm
	Weight	230 kg
	Cooling system	Air cooling fans
	Noise level during operation	< 55 dBA
	Optional accessories	Protection against overvoltages
Earth leakage protection		Type B RCD
Heater Air-conditioner		-30 ... +55 °C
Standards	IEC 61851 / IEC 62196 / CE / CCS / CHAdeMO	

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References

Type	RAPTION 50 CSS	RAPTION 50 CHA	RAPTION 50 DUO		RAPTION 50 TRIO			RAPTION 50 TRIO 63		
Code	V17110	V17115	V17120		V17130			V17131		
No. connectors	1	1	2		3			3		
Connector type	CSS Combo2	JEVS G105	JEVS G105	CSS Combo2	JEVS G105	CSS Combo2	Socket T2	JEVS G105	CSS Combo2	Cable T2
Charging mode	Mode 4	Mode 4	Mode 4	Mode 4	Mode 4	Mode 4	Mode 3	Mode 4	Mode 4	Mode 3
Current	120 A	120 A	120 A	120 A	120 A	120 A	32 A	120 A	120 A	63 A
Voltage	500 V _{d.c.}	500 V _{d.c.}	500 V _{d.c.}	500 V _{d.c.}	500 V _{d.c.}	500 V _{d.c.}	400 V _{a.c.}	500 V _{d.c.}	500 V _{d.c.}	400 V _{a.c.}
Power	50 kW	50 kW	50 kW	50 kW	50 kW	50 kW	22 kW	50 kW	50 kW	43 kW
Max. Power	50 kW	50 kW	50 kW	50 kW	72 kW			93 kW		

Dimensions

