

RAPTION-22

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-22 quick charging stations can quickly charge the electric vehicle when a quick charge is required and not enough power is available. The electric vehicle can be partially or fully charged in a very short period of time, depending on the battery capacity.

The RAPTION-22 station works with power ratings of up to 22 kW, so it can be used in very basic installations, saving on additional costs associated with special tariffs. 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-22 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 V.a.c. ± 10%
	Nominal input current	64 A
	Power factor	> 0.98
	Efficiency	94% nominal output power
	Frequency	50 / 60 Hz
DC output	Maximum output current	56 Adc
	Maximum output power	22 kW (@400 Vd.c.)
	Output voltage range	150 - 550 Vd.c.
AC output	Maximum output current	32 A
	Maximum output power	22 kW
	Output voltage range	400 V.a.c. (3P + N + PE)
Charging system	DC 1 Charge	Mode 4 (IEC 61851-1; IEC 61851-23) JEVS G105 - CHAdeMO (IEC 92196-3)
	DC 2 Charge	Mode 4 (IEC 61851-1; IEC 61851-23) Combo2 (DIN 70121)
	AC Charge	Mode 3 (IEC 61851-1; IEC 61851-22) Type 2 Base (IEC 62196-2)
Electrical protection elements	Overcurrent protection	Circuit breaker
	Earth leakage protection	30 mA Type A RCCB
Connectivity	Ethernet	10/100 Base TX (TCP/IP)
	Wireless communications	3G / GPRS / GSM
General	Compliance	CE / Combo2 / CHAdeMO rev. 1.1 certified
	Protection degree	IP 54 / IK 10
	Enclosure material	Stainless steel
	Operating temperature	-5 ... +45 °C
	Storage temperature	-20 ... +60 °C
	Relative humidity	5 ... 90% without condensation
		ISO / IEC 14443A / B
	RFID system	MIFARE Classic, MIFARE DESFire, MIFARE DESFire EV1, FeliCa® 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	310** x 900 x 1700 mm
	Weight	215 kg
	Cooling system	Fans
	Noise level during operation	< 55 dBA
Optional accessories	Protection against overvoltages	Transient overvoltages, 4 poles (IEC 61643-11 Class II)
	Earth leakage protection	Type B RCCB
	Heater Air-conditioner	-30 ... +45 °C
Standards	IEC 61851 / IEC 62196 / CE / CCS / CHAdeMO	

** 390 mm with connectors.

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References

Type	Code	Charge mode	No. of connectors	Connector type	Voltage, current, power
RAPTION-22 CCS	V17010	4	1	Type COMBO2	550 V _{dc} , 56 A _{dc} , 22 kW
RAPTION-22 CHA	V17015	4	1	Type JEVS G105	550 V _{dc} , 56 A _{dc} , 22 kW
RAPTION-22 DUO	V17020	4	2	Type JEVS G105 , Type COMBO2	550 V _{dc} , 56 A _{dc} , 22 kW 550 V _{dc} , 56 A _{dc} , 22 kW
RAPTION-22 TRIO	V17030	3, 4	3	Type II, Type JEVS G105 , Type COMBO2	400 V _{dc} , 32 A _{dc} , 22 kW 550 V _{dc} , 56 A _{dc} , 22 kW 550 V _{dc} , 56 A _{dc} , 22 kW

Dimensions

