



RAPTION 50 HV CCS1

RAPTION 50 HV CCS1, Outdoor recharge station

Code: V17211. (CONSULTAR DISPONIBILIDAD)

- > Communications: Ethernet | 4G
- > Output type: 100-920 Vcc - 125 A - 50 kW
- > Connector type: CCS Combo 1 (CC)
- > Grid type: Three-phase
- > Charge mode: 4
- > No. Sockets: 1

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 **RAPTION 50 HV** device is perfect in situations where fast charging is required. Depending on the capacity of the batteries, it can provide a full or partial charge in a short time.

The **RAPTION 50 HV** station works with powers of up to 50 kW, and high output voltages of up to 920 VDC. The unit has an interactive screen for easy user interaction, and communications capabilities (Ethernet, 4G) for remote management from the control centre.

Application

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



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Specifications

AC power supply

| | |
|-----------------|--|
| Input intensity | 76 A |
| Efficiency | 95% |
| Power factor | > 0,98 |
| Frequency | 50 / 60 Hz |
| Type of network | 3Ph + N + GND |
| Nominal voltage | 400 V ~ ($\pm 10 \%$) (480 V ~ bajo demanda) |

Electrical characteristics

| | |
|---------------------------|--------------------------------|
| Surge protection (DSP) | Optional |
| Overcurrent protection | Optional |
| Cable: Connector type | CCS Combo 1 (cable length 3m) |
| Max. output intensity (A) | 0 ... 125 cc |
| Charging mode | Mode 4 |
| No. of charges | 1 |
| Max. output power (kW) | 50 (cc) |
| Voltage | 50 ... 500 Vdc |

Mechanical characteristics

| | |
|----------------------------------|-----------------------|
| Size (mm) width x height x depth | 940 x 1800 x 520 (mm) |
| Envelope | Stainless steel |
| Noise | < 55 dB |
| Weight (kg) | 230 |

Environmental characteristics

| | |
|--|----------------|
| Protection class | IP 54 / IK10 |
| Relative humidity (without condensation) | 5 ... 95 % |
| Storage temperature | -20 ... +60 °C |
| Working temperature | -30 ... +45 °C |

Standards

| | |
|--|---|
| Certifications | CE |
| Electrical safety, Installation category | CAT III 300 V |
| Standards | IEC 61851-1, IEC 61851-22, IEC 61851-23, IEC 62196-1, IEC 62196-2, IEC 62196-3, CHAdeMO Certified, CCS (DIN 70121, ISO 15118) |

Communication Network

| | |
|-------------------|----------------------------------|
| Protocol | OCPP |
| Technology / Type | Ethernet 10/100 Base TX (TCP/IP) |



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Electrical safety

| | |
|------------|---|
| Insulation | Double-insulated electric shock protection class II (IEC 61010) |
|------------|---|

User interface

| | |
|---------------------------------------|---|
| RFID (Radio-Frequency Identification) | ISO/IEC 14443 A/B, MIFARE Classic / Desfire EV1 ISO 18092 / ECMA-340, NFC 13,56 MHz |
| LED | RGB color charge indicator |
| Display type | 8" Touch TFT, multilingual |

Features / performance

| | |
|-----------------------------------|---|
| Heating and air conditioning unit | -30 ... +45 °C (Optional) |
| Energy measurement | Meter for measuring alternating electrical energy according to UNE-EN 50470 |

Protection

| | |
|---------------------------|----------------|
| Safety relay type (class) | RCD (optional) |
|---------------------------|----------------|

Radio communication

| | |
|-------------------|-----------------------|
| Technology / Type | 4G / GPRS / GSM Modem |
|-------------------|-----------------------|

Output 1

| | |
|-----------------|------------------|
| Maximum current | 125 A |
| Maximum power | 50 kW |
| Voltage range | 50-500 Vcc |
| Connector type | CCS Combo 1 (CC) |
| Network type | Three-phase (DC) |

8" vandal-proof TFT touch screen, independent overcurrent and earth leakage 30-mA, type-B protection per plug, integrated MID-certified energy measurement, RFID reader for authentication and charge activation - ISO 14443 A/B, data storage, Ethernet communications, 4G communications, OCPP 1.6J/2.0 (ready) communications protocol, Weight: 230 kg, suitable for wall mounting, stainless steel IP54 - IK10 enclosure, dimensions: 350x940x1800 mm. 3-m cable length (5 m optional).



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Dimensions

