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Code:

## 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 100 quick charging units allow vehicles to be charged on the go when quick recharging is required. Depending on the capacity of the batteries, it can provide a full or partial charge in a short time.

## 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 | 160 A |
| Power factor | > 0,98 |
| Frequency | 50 / 60 Hz |
| Type of network | 3Ph + N + GND |
| Nominal voltage | 400 V ~ (± 10 %) (480 V ~ bajo demanda) |

### Electrical characteristics

| | |
|---|---|
| Overcurrent protection | Circuit breaker |
| Cable: Connector type | CCS Combo 1 (CC) |
| Max. output intensity (A) | DC: 250 |
| Charging mode | Mode 4 |
| No. of charges | 1 |
| Max. output power (kW) | DC: 100 |
| Efficiency | 95% |
| Voltage | 150 ... 920 Vdc |

### Mechanical characteristics

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

### Environmental characteristics

| | |
|---|---|
| Protection class | IP 54 / IK10 |
| Relative humidity (without condensation) | 5 ... 95 % |
| Storage temperature | -40 ... +60 °C |
| Working temperature | -10 ... +50 °C |

### Standards

| | |
|---|---|
| Certifications | IEC 61851-1; IEC 61851-23; IEC 61851-21-2; CCS (DIN 70121; ISO 15118) |
| Electrical safety, Installation category | CAT III 300 V |
| Standards | IEC 61851-1; IEC 61851-23; IEC 61851-21-2; CCS (DIN 70121; ISO 15118) |

### Communication Network

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

### User interface

| | |
|---|---|
| RFID (Radio-Frequency Identification) | ISO / IEC 14443A / B, MIFARE Classic, MIFARE DESFire, MIFARE, DESFire EV1, ISO 18092 / ECMA-340 (NFC) 13.56 MHz |

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| | |
|---|---|
| LED | RGB color charge indicator |
| Display type | 8" TFT touch screen anti-vandalism display |

**Features / performance**

| | |
|---|---|
| Optional | 4-pole transient overvoltages (IEC 61643-11 Class II)<br>Self-resetting residual current circuit breaker type B<br>Heater/heater for -30 ... +50 °C<br>Vandal protection: mechanical locking of the connector<br>Contactless payment system |

**Protection**

| | |
|---|---|
| Safety relay type (class) | Type B |

**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) |

**RAPTION 100**

Compact ultra-fast recharging stations

| CODE | TYPE | No. Sockets | Output type | Connector type | Grid type |
|---|---|---|---|---|---|
| V17311. | RAPTION 100 CCS1 | 1 | 150-920 Vcc - 250 A - 100 kW | CCS Combo 1 (CC) | Three-phase |
| V1732D. | RAPTION 100 CCS1 CHA | 2 | 150-920 Vcc - 250 A - 100 kW \| 50-400 Vcc - 125 A - 50 kW | CCS Combo 1 (CC)\|JEVS G105 - CHAdeMO (AA) | Three-phase |
| V1732C. | RAPTION 100 CCS1 T1C32 | 2 | 150-920 Vcc - 250 A - 100 kW\| 400 Vca - 32 A - 22 kW | CCS Combo 1 (CC)\| Type 1 cable | Three-phase |
| V1732B. | RAPTION 100 CCS1 T2S32 | 2 | 150-920 Vcc - 250 A - 100 kW\| 400 Vca - 32 A - 22 kW | CCS Combo 1 (CC) \| Type 2 socket | Three-phase |
| V17337. | RAPTION 100 CCS1 CHA T2S32 | 3 | 150-920 Vcc - 200/250 A - 100 kW\| 50-400 Vcc - 125 A - 50 kW \| 400 Vca - 32 A - 22 kW | CCS Combo 1 (CC)\| JEVS G105 - CHAdeMO (AA)\| Type 2 socket | Three-phase |
| V17338. | RAPTION 100 CCS1 CHA T1C32 | 3 | 150-920 Vcc - 200/250 A - 100 kW\| 50-400 Vcc - 125 A - 50 kW \| 400 Vca - 32 A - 22 kW | CCS Combo 1 (CC)\| JEVS G105 - CHAdeMO (AA)\| Type 1 cable | Three-phase |

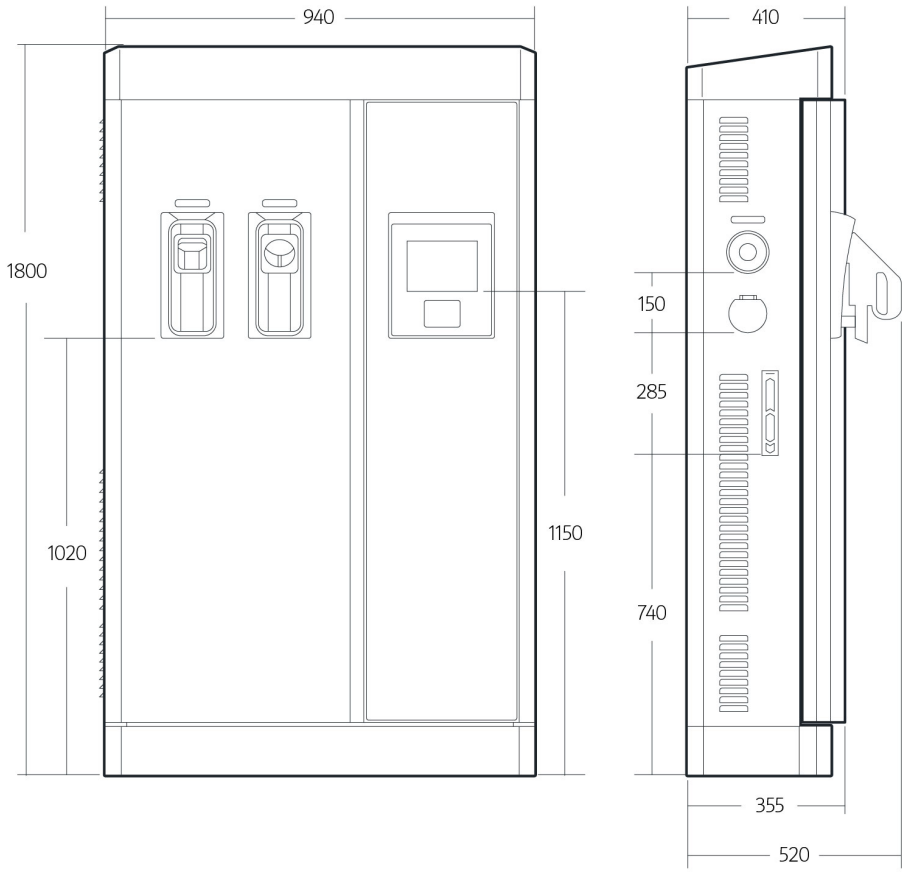
8" vandal-proof TFT touch screen, independent overcurrent and earth leakage 30-mA, type-B protection per plug, integrated MID-certified energy measurement, RFID reader for authentication and charge activation - ISO 14443 A/B, data storage, Ethernet communications, 4G communications, OCPP 1.6J/2.0 (ready) communications protocol, Weight: 255 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






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