



BE-M SERIES

FAST DC CHARGING STATIONS



BE-M Series

BE-M is a range of charging stations for ground installation for the DC fast charging of electric vehicles, available with rated powers of 60kW-90kW-120kW-150kW-180kW.

Made of sturdy painted steel sheet, they are equipped, depending on the version, with two cables with CCS2 and/or CHAdeMO connectors and a cable with Type 2 connector for AC charging. A version with a single CCS2 connector and a rated power of 60kW is also available.

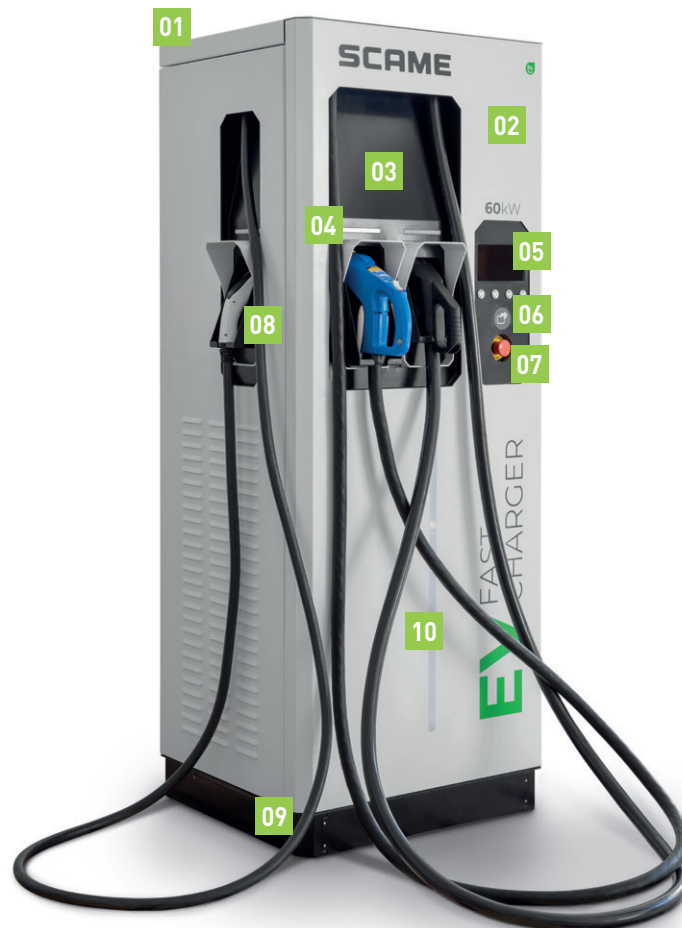
The user interface is guaranteed by a display with integrated ambient light sensor and push buttons.

BE-M charging stations, equipped with Ethernet-WiFi-2/3/4G connectivity, can be connected to an external E- Mobility Service Provider via standard OCPP communication protocol.

technical sheet p. 6

Technical information

Main characteristics



01 Removable metal hooks for lifting the station facilitating its handling

02 Structure in painted steel sheet

03 Connectivity via Ethernet-WiFi-2/3/4G

04 Charging status LED

05 TFT display with integrated ambient light sensor

06 RFID reader for user authentication

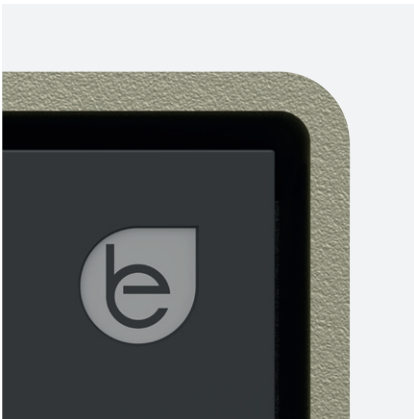
07 Emergency push button

08 Possibility of a Type 2 connector for AC charging in addition to the one or two connectors for DC fast charging

09 Base designed for inserting the forklift forks to facilitate the handling of the station

10 Possibility of graphic customization of the housing according to client's brand (on demand)

BE logo



Within the vast offer of Scame Parre, the BE logo, alongside the institutional one, identifies and characterizes the line of products intended for electric vehicles recharging.

By exhibiting it, the stations, the charging cables and the related components are the bearers of over twenty years of company experience in the e-mobility sector, going back to 1999 the presentation by Scame Parre of the first connector specifically designed for this application.

Above all, however, they convey the message behind the logo itself: "Be Eco".

An invitation to embrace a concept of sustainable mobility as an integrated part of a lifestyle that respects man and the environment, rather than a recognition for those who have already done so by choosing one of our products.

A logo in the form of a stylized leaf that, almost resting on the product, leaves an indelible mark on it, adding another chapter to the story of passion, sustainability and innovation from that of Scame.

Graphic customization

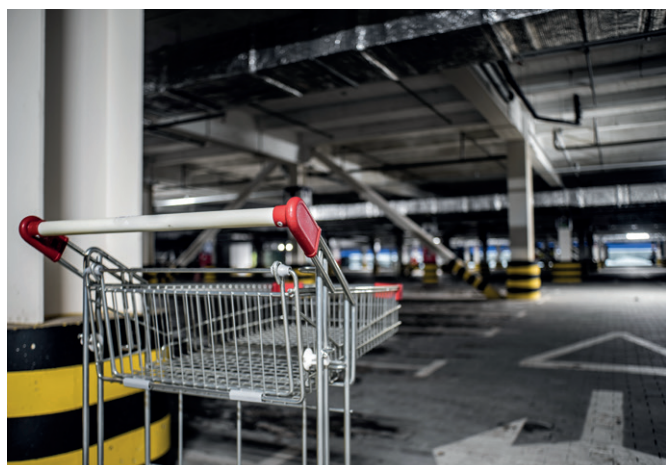


Wanting to add an identity trait, the housing of the BE-M Series charging stations can be graphically customized with your company logo.

Graphic customization must be requested by specifying the code **209.CU01-M** when ordering and by sending your logo exclusively in vector format.

Strongly convinced that design is a fundamental component of the brand and the product, Scame Parre reserves the right not to accept graphic proposals that are incompatible with the image of the brand and its stations.

Application examples






BE-M SERIES

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**CABLE LENGTH:
3m**

| Rated power | Connectors | | | DC simultaneous charge ¹⁾ | Model | Code |
|---------------------|---|---|---|--------------------------------------|-----------------|--------------|
| |  |  |  | | | |
| | CCS2 | CHAdeMO | Type 2 | | | |
| 60kW | 1 | | | | BE-M 60H-C | 206.M91-F100 |
| | 1 | 1 | | | BE-M 60H-CJ | 206.M91-F120 |
| | 1 | 1 | | • | BE-M 60H-CJ-D | 206.M91-F150 |
| | 1 | 1 | 1 | | BE-M 60H-CJA | 206.M91-F12V |
| | 1 | 1 | 1 | • | BE-M 60H-CJA-D | 206.M91-F15V |
| | 2 | | | • | BE-M 60H-CC-D | 206.M91-F160 |
| | 2 | | 1 | • | BE-M 60H-CCA-D | 206.M91-F16V |
| 90kW | 1 | 1 | | • | BE-M 90H-CJ-D | 206.M91-G150 |
| | 1 | 1 | 1 | | BE-M 90H-CJA | 206.M91-G12V |
| | 1 | 1 | 1 | • | BE-M 90H-CJA-D | 206.M91-G15V |
| | 2 | | | • | BE-M 90H-CC-D | 206.M91-G160 |
| | 2 | | 1 | • | BE-M 90H-CCA-D | 206.M91-G16V |
| 120kW | 1 | 1 | | • | BE-M 120H-CJ-D | 206.M91-H150 |
| | 1 | 1 | 1 | | BE-M 120H-CJA | 206.M91-H12V |
| | 1 | 1 | 1 | • | BE-M 120H-CJA-D | 206.M91-H15V |
| | 2 | | | • | BE-M 120H-CC-D | 206.M91-H160 |
| | 2 | | 1 | • | BE-M 120H-CCA-D | 206.M91-H16V |
| 150kW | 1 | 1 | | • | BE-M 150H-CJ-D | 206.M91-I150 |
| | 1 | 1 | 1 | | BE-M 150H-CJA | 206.M91-I12V |
| | 1 | 1 | 1 | • | BE-M 150H-CJA-D | 206.M91-I15V |
| | 2 | | | • | BE-M 150H-CC-D | 206.M91-I160 |
| | 2 | | 1 | • | BE-M 150H-CCA-D | 206.M91-I16V |
| 180kW ²⁾ | 1 | 1 | | • | BE-M 180H-CJ-D | 206.M91-J150 |
| | 1 | 1 | 1 | | BE-M 180H-CJA | 206.M91-J12V |
| | 1 | 1 | 1 | • | BE-M 180H-CJA-D | 206.M91-J15V |
| | 2 | | | • | BE-M 180H-CC-D | 206.M91-J160 |
| | 2 | | 1 | • | BE-M 180H-CCA-D | 206.M91-J16V |

¹⁾ AC/DC simultaneous charge always supported

²⁾ Under development



CCS2
standard

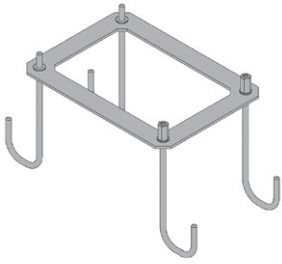


CHAdeMO
standard



Type 2
standard

■ ACCESSORIES



| Description | Code |
|------------------|----------|
| ANCHOR PLATE KIT | 208.AP84 |



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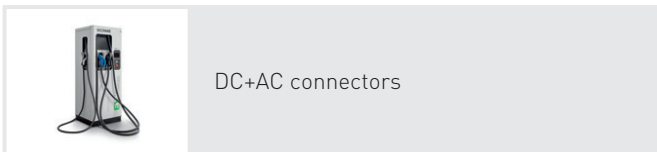
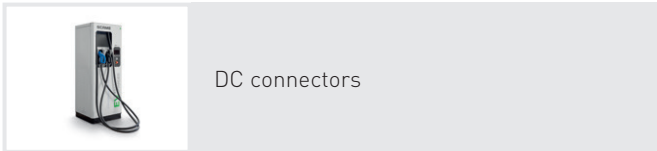


REFERENCE STANDARDS

IEC/EN 61851-1

IEC/EN 61439-7

VERSIONS



USER INTERFACE AND SYSTEM CONTROL

| | |
|-------------------------|---|
| HMI: | 7" LCD display, push buttons for commands |
| Connectivity: | GSM 3G/4G modem Ethernet port 1 x LAN 10/100Mbps WiFi IEEE 802.11b/g/n, Access Point (AP), Station (STA) |
| User authentication: | Free RFID ISO/IEC 14443 A/B MiFare Classic, MiFare Plus |
| Communication Protocol: | OCPP 1.6 JSON |

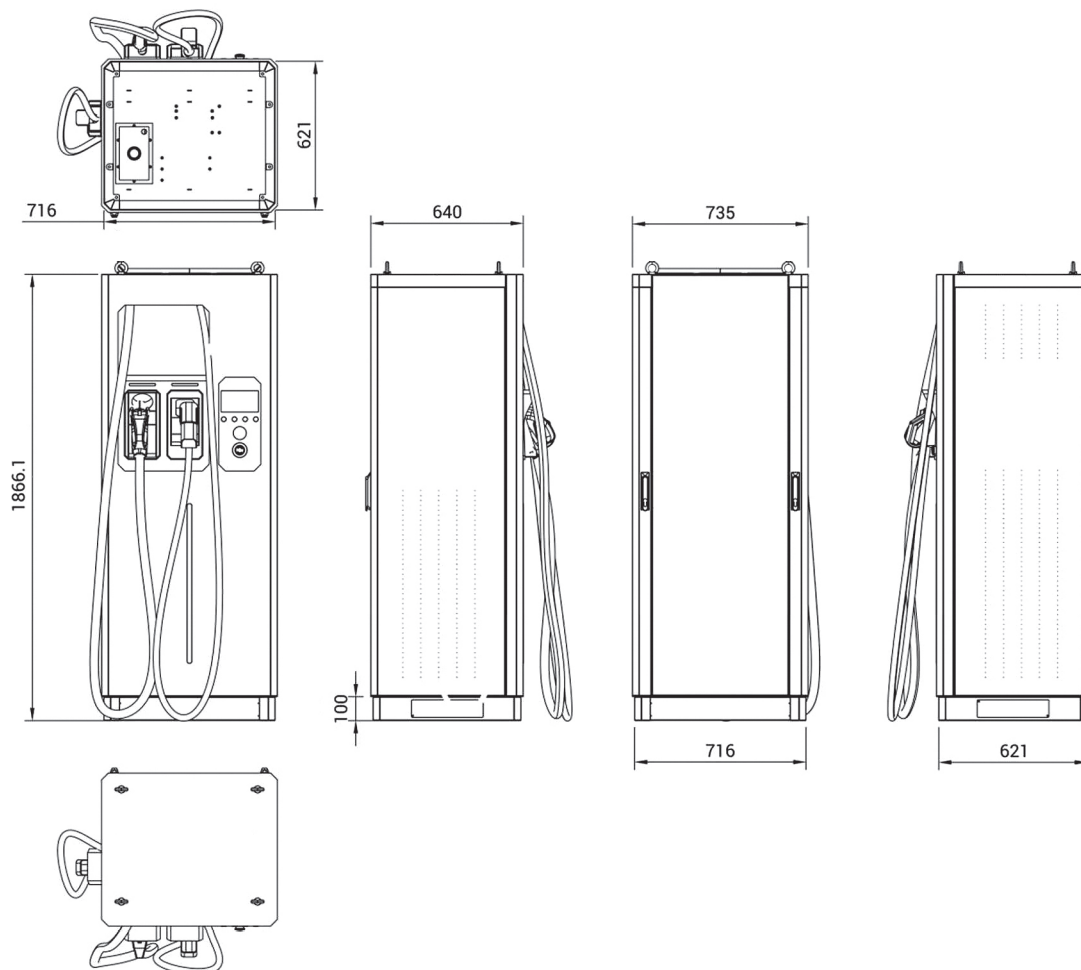
TECHNICAL CHARACTERISTICS

| | |
|--|---|
| Number of DC outputs: | Max 2 connectors |
| Standards of DC connectors: | C: CCS2 J: CHAdeMO |
| Number of AC outputs: | Max 1 connector |
| Standards of AC connectors: | A: Type 2 |
| Cable length: | 3m (max 7,5m on demand) |
| Number of simultaneous charging sessions: | DC single charging DC+AC simultaneous charging DC+DC+AC simultaneous charging |
| Protection degree: | IP54 |
| Impact resistance rating (according to IEC 62262): | IK10 |
| Cooling system: | Forced air |
| Operating ambient temperature: | -25°C +60°C (from 50°C with derating) |
| Storage temperature: | -30°C +60°C |
| Operating altitude: | Max 2000m |
| Humidity: | 5% ÷ 90% non condensating |
| Material: | Sheet steel |
| Weight: | 330Kg ÷ 440Kg including the cables |
| Mounting: | Floor mounting |
| Emergency pushbutton: | Yes |

ELECTRICAL CHARACTERISTICS

| Model | BE-M60H | BE-M90H | BE-M120H | BE-M1500H | BE-M180H |
|--------------------------|--------------------------------|--------------|---------------|---------------|---------------|
| Rated power | 60kW | 90kW | 120kW | 150kW | 180kW |
| Input power | | | | | |
| Rated voltage | 400Vac ± 10%, 3P+N+PE, 50/60Hz | | | | |
| AC current (DC/DC+AC) | 92A/156A | 138A/202A | 184A/248A | 230A/294A | 274A/340A |
| Power (DC/DC+AC) | 63kVA/106kVA | 95kVA/138kVA | 127kVA/170kVA | 158kVA/201kVA | 190kVA/233kVA |
| Power factor | 0,99 at nominal output | | | | |
| THD | <5% | | | | |
| Efficiency | 96% at rated output power | | | | |
| Output power | | | | | |
| DC voltage range | 150-920Vdc | | | | |
| DC max current CCS | 150A | 200A | 200A | 200A | 200A |
| DC max current CHAdeMO | 125A | 125A | 125A | 125A | 125A |
| DC max power CCS at 400V | 60kW | 80kW | 80kW | 80kW | 80kW |

Code 206.M91-...



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SCAME PARRE S.p.A.
Via Costa Erta, 15 - 24020 Parre (BG) Italy
Tel. +39 035 705000 - Fax +39 035 703122



www.scame.com
export@scame.com

