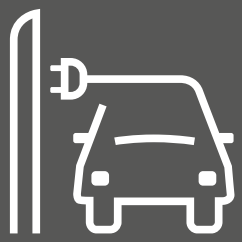
GENERAL CATALOGUE

2023



E-MOBILITY

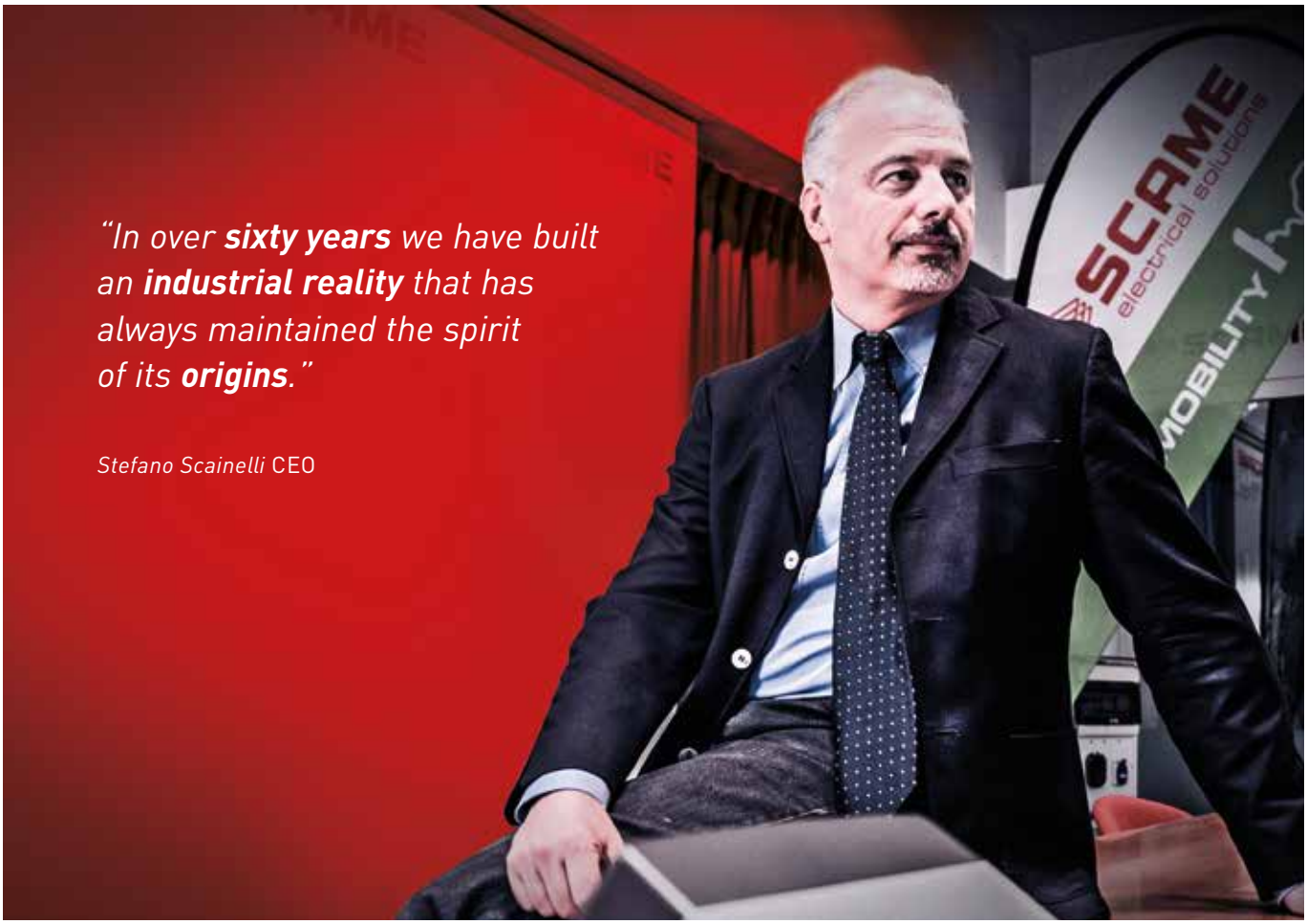
SCAME
electrical solutions

GENERAL CATALOGUE 2023

SCAME
electrical solutions

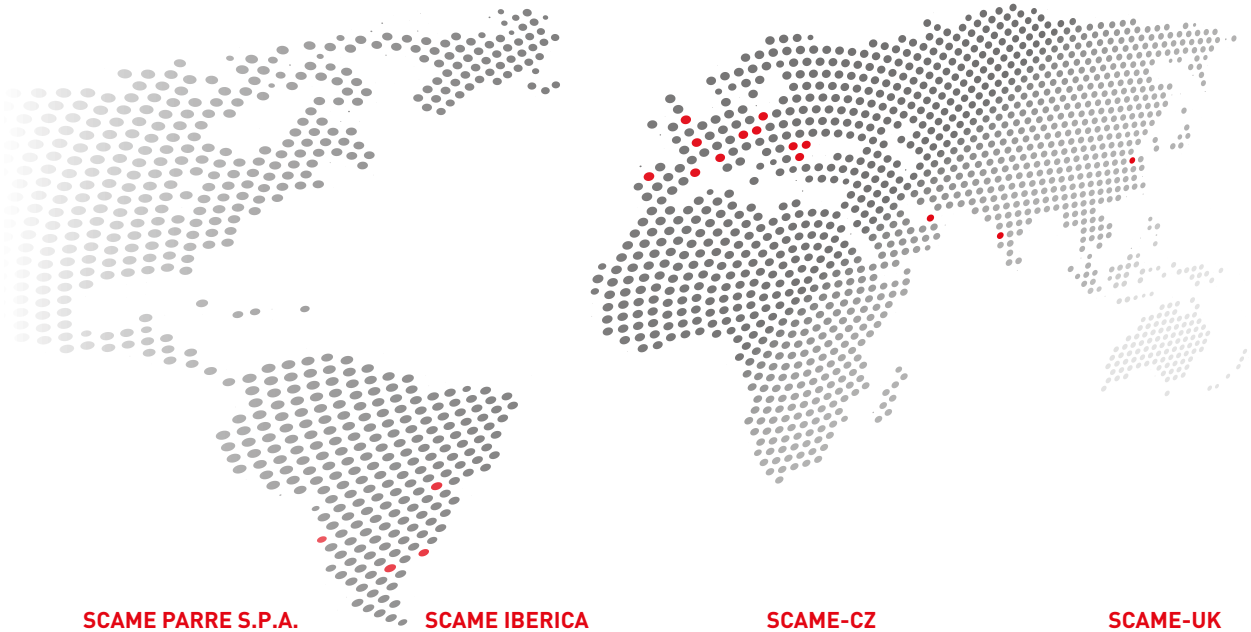
www.scame.com

The Company



SCAME PARRE S.p.A., head of the SCAME group, is a manufacturer of components and systems for electrical installations in the civil, services and industrial sector, born and raised in the mountains of the upper Val Seriana, in the Province of Bergamo, Northern Italy. Since 1963, the year of its foundation, in more than half a century of activity, SCAME has never betrayed the spirit of the origins made of attention to the environment and the person, as well as continuous research to provide an innovation that is never an end in itself, but which translates into total quality and real benefits for the user.
Already a pioneer in the field of the solutions dedicated to electric vehicles charging, for which it has created a specific business division and is today considered an absolute benchmark, the continuous search for new markets has led SCAME to develop also an articulated range of ATEX IECEx products for installation in hazardous areas, without neglecting its traditional offer based on products for domestic and industrial applications, even heavy ones. A catalogue able to meet any installation requirement, a product quality guaranteed by compliance with national and international Standards, a rapid customer service able to support every choice and an high level of service, have enabled SCAME to affirm its presence not only nationally, but also internationally through a network of 18 subsidiaries and a consolidated network of distributors in over 80 countries on 5 continents.

Italy Parre (Bergamo)



SCAME PARRE S.P.A.
Italia Parre

SCAME ARGENTINA
Argentina Don Torquato (Buenos Aires)

SCAME BRASIL
Brasil Atibaia (Sao Paulo)

SCAME BULGARIA
Bulgaria Sofia

SCAME CHILE
Chile Santiago

SCAME IBERICA
Spain Rubí (Barcelona)

SCAME INDIA
India Mumbai

SCAME PARRE S.P.A. BRANCH
U.A.E. Dubai

SCAME POLSKA
Poland Zawierce (Katowice)

SCAME PORTUGAL
Portugal Albergaria-A-Velha

SCAME-CZ
Czech Republic Velke Mezirici

SCAME-RO
Romania Timis

SCAME-SK
Slovakia Dolny Kubin

SCAME-TOP
China Beijing

SCAME-UA
Ukraine Kamenets Podolsky

SCAME-UK
United Kingdom Tewkesbury (Gloucestershire)

SCAME-UY
Uruguay Montevideo

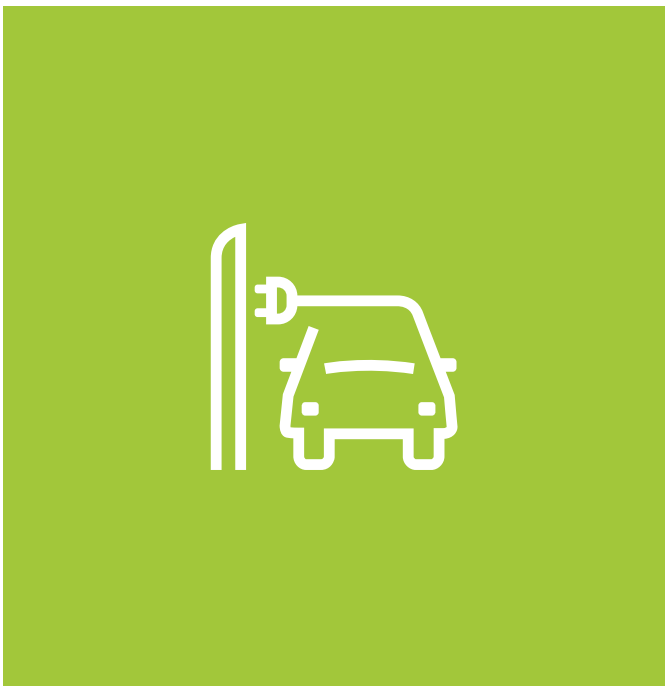
SOBEM SCAME
France Sainte Marie Sur Ouche (Dijon)

MAGNUM CAP
Portugal Albergaria-A-Velha

Scame Parre's commitment in the E-Mobility sector dates back to the end of the 1990s, when, adopting the idea of a mobility capable of minimizing its environmental impact, it presented the first connector for the charging of electric vehicles, known today as Type 3A.
This allowed SCAME to join the committees (CEI, CENELEC, IEC) which at Italian and international level had the task of regulating the matter and played an important role in the definition of the first Italian National Standard for Connectors and Systems of recharging for electric road vehicles (CEI 69-6).
In recent years, with the growing interest in electric vehicles, an important piece of the broader mosaic of sustainability, SCAME has renewed its commitment by strengthening its R&D division focused on E-Mobility and offering the market not only a wide range of components and charging cables, but also an articulated range of stations for recharging in AC or DC. All at the forefront in technical and technological terms and always with particular attention to design as an identifying trait of its offer and distinctive of true Made in Italy.

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", "Be Ecologic". 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.



1. E-MOBILITY

Systems and solutions for AC or DC charging of electric vehicles

Wide range of wall boxes and pillars for alternating current AC charging of electric vehicles, in both private and public areas. Characterized by cutting-edge solutions in terms of safety and functionality, they make design their distinctive trait.

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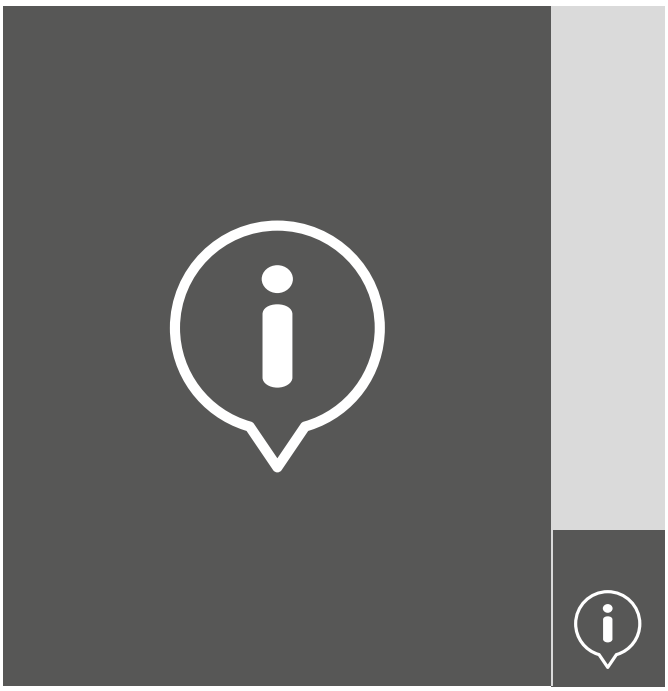

INFORMATION

Technical insights

Information of technical, regulatory and applicative nature to emphasize the peculiarities of the products of which the Scame offer is made up.

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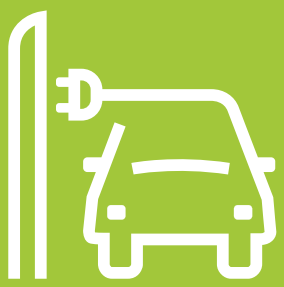
INDEX TECHNICAL INFORMATION

AC CHARGING STATIONS

DC CHARGING STATIONS

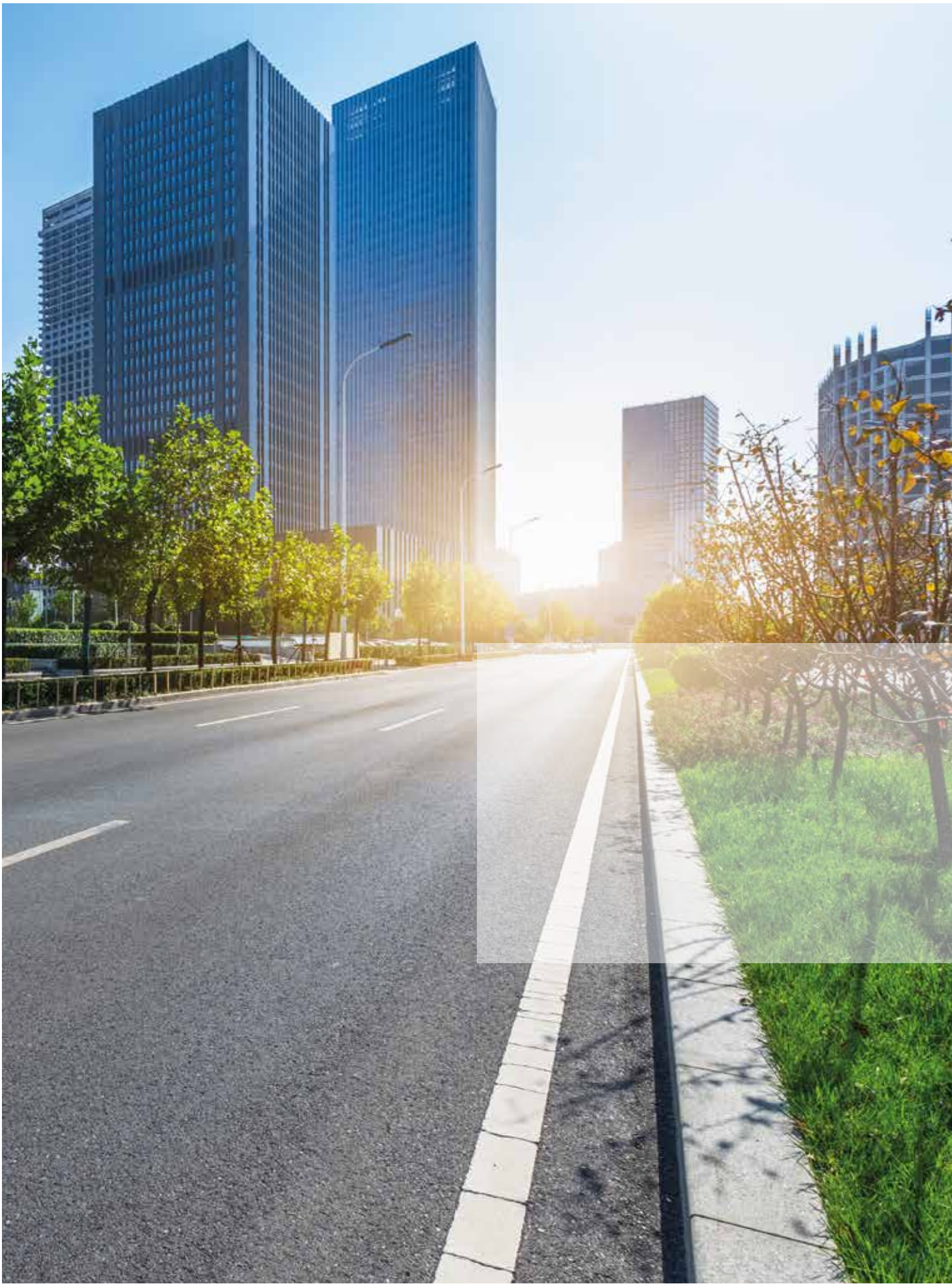
E-BIKE CHARGING STATIONS

CHARGING CABLES



1. E-MOBILITY

INDEX E-MOBILITY



AC
CHARGING STATIONS

Versions

LITE **For standalone applications with free or controlled access**	**BUSINESS** **For standalone or multi-station applications (Satellite)**	**PRO** **For multi-station applications (Master)**
Along with the possibility of allowing free usage, access to the charging station can be restricted to a group of users, the registration of which takes place locally. LITE version charging stations operate in a standalone way and cannot be placed in a network of other stations.	In addition to the possibility of operating in a standalone way, either with or without access restriction, a BUSINESS charging station can operate as a Satellite of a Master station. A Master station defines the rules that regulate the access to the group of stations. That is done via Scame's Management System or an OCPP backend to which the Master is connected to.	PRO charging stations are designed to operate as Masters in a Master/Satellite system architecture. Access to a charging session can be restricted, or not, according to the rules defined in the Scame Management System or by the OCPP platform to which the Master station is connected to.
OPERATING MODE		
- FREE - PERSONAL	- FREE - PERSONAL - WEB/NET (Satellite)	- WEB/NET (Master)
FUNCTIONALITIES		
- Local WiFi app* - Dynamic Power Management**	- Dynamic Power Management** - Management System - Satellite - Load Balancing - Satellite	- Dynamic Power Management** - Management System - Master - Load Balancing - Master - Management of up to 16 charging points - OCPP 1.6JSON

* In the models in which it is foreseen
** Accessory for supported models

Operating modes

Scame's AC charging stations are designed for different operating modes, functional to the type of installation, application and use for which they are intended.

The stations intended for standalone installation without the need to be included in a network architecture are available in the following operating modes:

FREE

FREE mode charging stations are the ideal choice for installation in environments that do not require controlled access as use is limited to a few people, usually vehicle owners, or in places where access is already regulated from other systems.
Charging stations in FREE mode cannot be inserted in a Master/Satellite architecture.

Access to charging: Without authentication.

PERSONAL

PERSONAL mode charging stations are suitable for installation in all places requiring controlled access as use is not limited exclusively to vehicle owners, but extends to a greater number of users, or in cases where access to charging stations should be monitored and regulated.
Charging stations in PERSONAL mode cannot be inserted in a Master/Satellite architecture.

Access to charging: With local authentication via app or RFID.

The stations intended to be inserted in a network architecture, managed via Scame Management System or via an external E-Mobility Service Provider (EMSP) via OCPP protocol, are available only in the following operating mode:

WEB/NET

WEB/NET mode chargin stations are the definitive solution in all those cases in which the system must be monitored and managed remotely.
WEB/NET mode charging stations are distinguished between Master and Satellite. The Master stations have incorporated the Scame Management System.
The Satellite stations are controlled by the Master, access to recharging can be with or without authorization according to the rules defined by the network manager in the Scame Management System or in the OCPP platform.
A Master/Satellite architecture can include up to 16 charging points.

Access to charging: With or without authorization based on the rules defined on the Scame Management System or on the OCPP platform.

Scame E-Mobility app

For the LITE versions of Scame wall boxes, designed for purely domestic use, the Scame E-Mobility local WiFi app is available, compatible with Android and iOS and downloadable from the main e-stores.
The Scame E-Mobility app projects the user into a new dimension of dialogue with the station, allowing full control of the recharging operations in an easy and intuitive way.

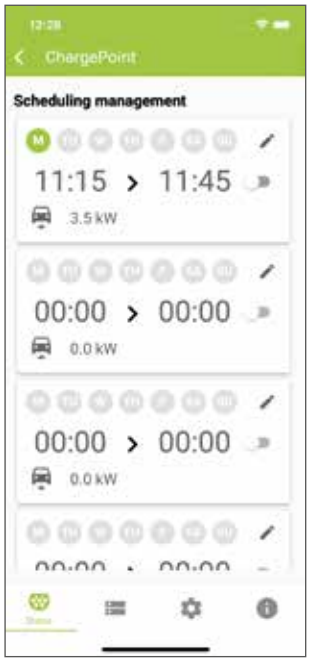
Through the Scame E-Mobility app it is in fact possible to:

01 Authenticate the user enabling him to recharge
02 Monitor in real time and manage individual charging sessions
03 Schedule and program individual charging sessions
04 Manage Dynamic Power Management functioning mode
05 Download chaging sessions reports and history
06 Check the status of the charging station and change its operating mode.

01

02

03



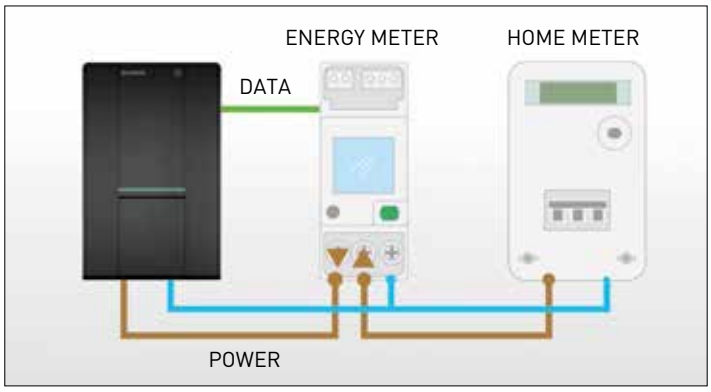
04

05

06

Dynamic Power Management

The Dynamic Power Management function is an indispensable option in residential installations where the available power is limited.
In this context, starting a recharging session of an electric vehicle while other electrical appliances are in operation (e.g. a washing machine) can cause an interruption in the power supply due to exceeding the contractual power.
The intelligent Dynamic Power Management function allows the wall box to dynamically modulate the current intended for recharging the electric vehicle based on the instantaneous consumption of all household appliances, avoiding power outages, all while also taking into consideration the current generated by photovoltaic panels or other renewable source, if any.

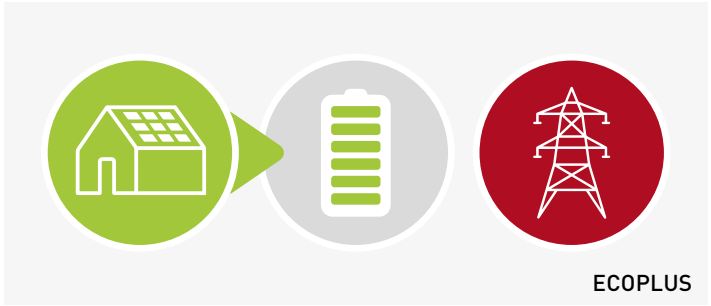


Once the Dynamic Power Management function has been activated, it is possible to set three different functioning modes:

FULL
Always recharge at full power
It uses the power available from the grid and any power generated by the local renewable source production plant, if any.

ECOSMART
Green charging with no worries
It uses the power generated by the local renewable source plus a minimum contribution from the grid, predefined but which can be increased by the user, to make up for any drops in power, thus guaranteeing continuity of charge.
This mode can only be selected in the presence of a local renewable source production plant (e.g. photovoltaic, wind...).

ECOPLUS
Green charging from renewable source only
It uses the power generated only by the local production plant from renewable sources (e.g. photovoltaic, wind...).
In this mode the charge is totally dependent on the state of generation of the renewable source and may be subject to suspensions such that the vehicle may not charge at the desired times.



Management System

Scame's charging stations can be monitored and managed remotely via the proprietary Management System or they can be connected to an external management platform via the standard OCPP 1.6JSON communication protocol.

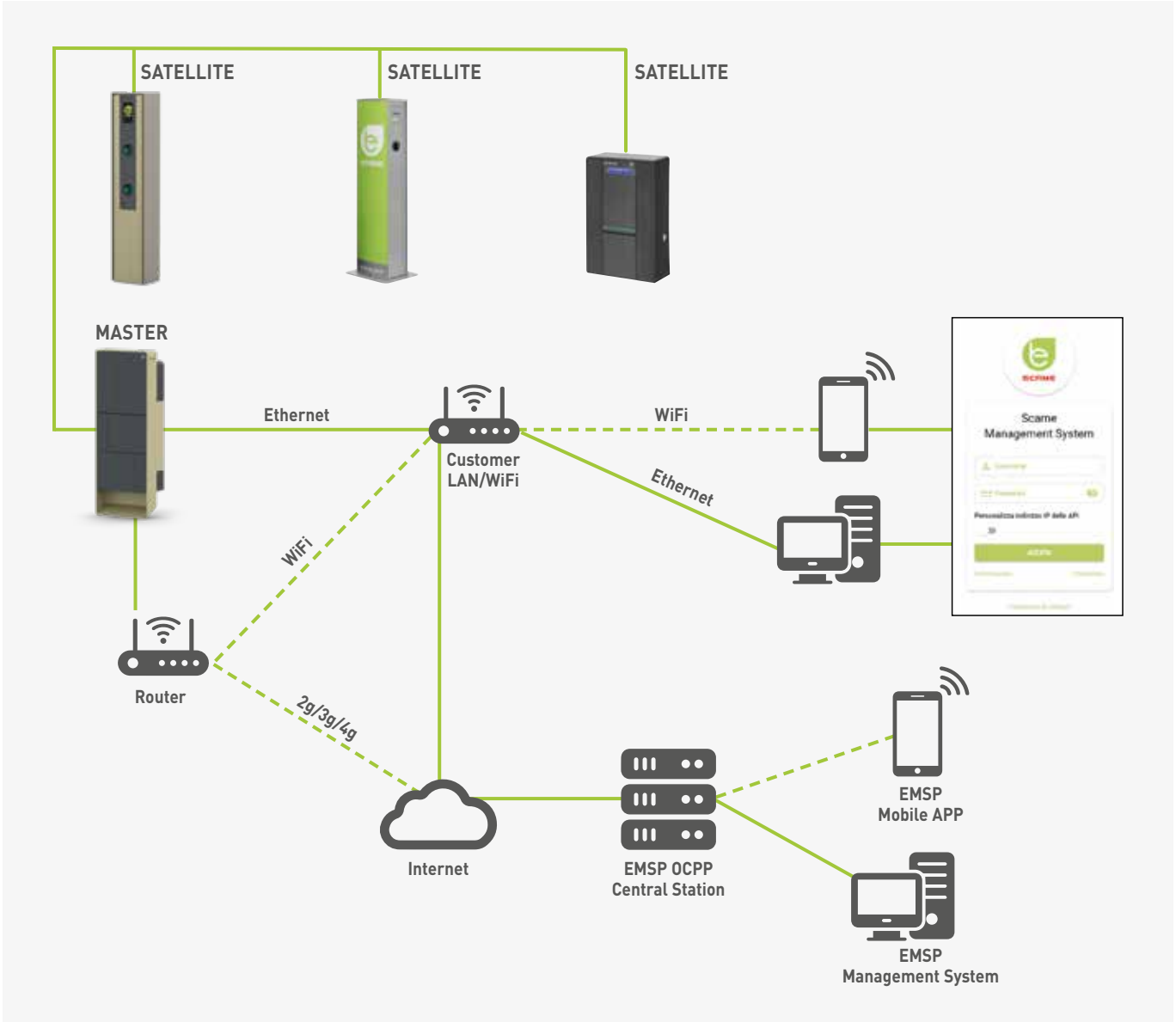
SCAME LOCAL MANAGEMENT SYSTEM

Scame charging stations can be monitored and managed remotely through the proprietary Management System.
The software does not require subscriptions and manages from 1 to 16 charging points when organized in a Master/Satellite system architecture.
The Scame Management System must be configured in the local network and does not require any installation of additional software as access takes place with credentials via LAN IP address.
The Scame Management System provides full control of the system and allows for an extensive list of actions and information such as:

- Management of access modes to the charging point (with or without authorization)
- Management of the list of authorized users and any limitations (time or number of accesses)
- Information on the status of the charging points and any error messages
- Start/stop/pause/resume charging sessions
- Real-time data of the charging session
- Monitoring of consumption data
- Search/filter/download transaction history
- Limitation of the current available at the recharging point
- Load Balancing
- Soft reset of the charging point - Hard reset of the entire system
- Firmware and software update
- Web server
- Configuration of links to external platforms via OCPP 1.6JSON

OCPP EXTERNAL MANAGEMENT SYSTEM

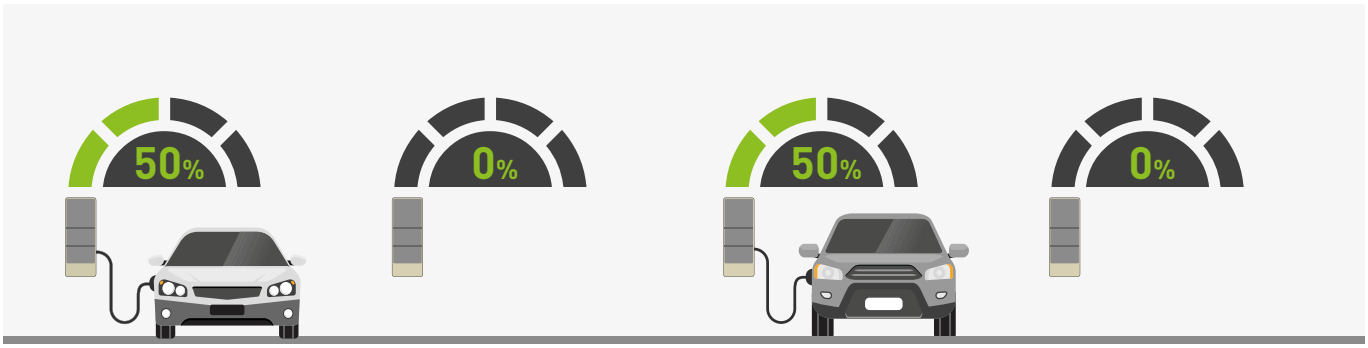
Through the Scame Management System it is possible to decide to connect the Master station, with its possible Satellites, to an external management platform via the standard OCPP 1.6JSON communication protocol.
The charging stations connected to an external supervisor will be able to take advantage of the services provided by the platform such as, for example, the billing and station booking operations. Connection to an external platform may require the prior signing of a contract with the same and therefore subscription fees may apply.
Scame guarantees compatibility between its charging stations and external management platforms that have been subjected to an OCPP 1.6JSON compatibility test. The list of approved supervisors is available upon request: contact your Scame contact person for more information.

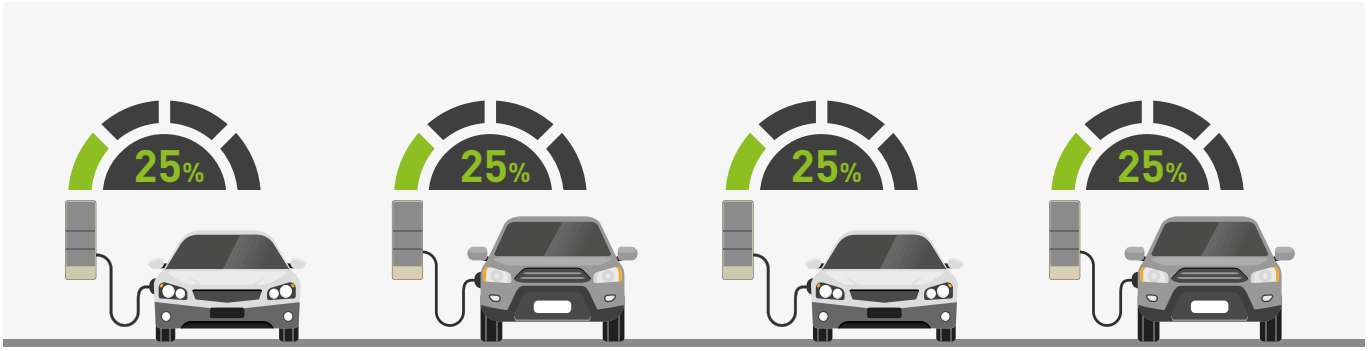

SATELLITE
SATELLITE
SATELLITE
MASTER
Ethernet
Customer
LAN/WiFi
WiFi
Ethernet
WiFi
Router
2g/3g/4g
Internet
EMSP OCPP
Central Station
EMSP
Mobile APP
EMSP
Management System
Scame
Management System

Load Balancing

The Scame Load Balancing feature proves to be essential when there are multiple charging points, but the system is not able to power them all simultaneously at their maximum rated power. This feature, which can be managed within the Scame Management System, allows you to allocate a maximum current threshold for a Master/Satellite architecture.
In the event that the sum of the instantaneous currents supplied by the charging points exceeds this threshold, the Master station would democratically rebalance the power supplied by the entire system, thus keeping it below the established maximum threshold, but allowing all vehicles to continue to recharge.

If the system does not have enough power available to allow all the charging points to supply the minimum current necessary for the correct performance of a charging session, any new sessions will be temporarily suspended.
Temporarily suspended charging sessions will be automatically reinitialized at the end of one of the charging sessions in progress.
The Scame Load Balancing Scame feature can also be active when the Master station and its satellites are connected to an external management platform via OCPP 1.6JSON protocol.





Type 2 socket with integrated shutters (T2S)

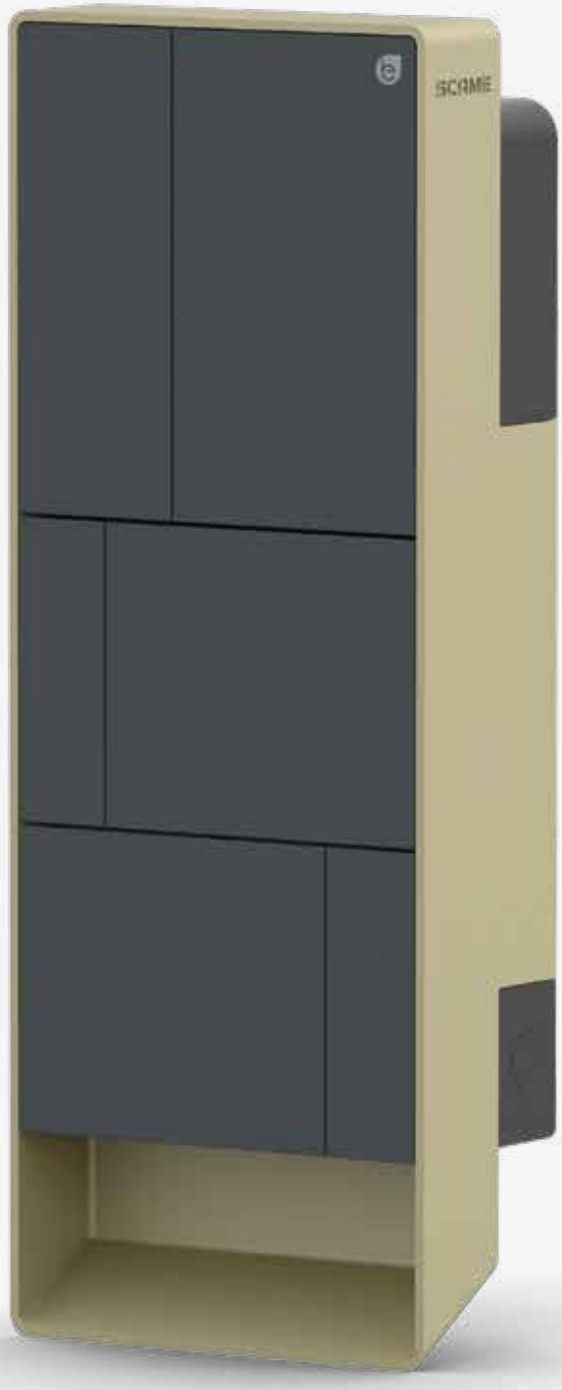
Section 8.1 of IEC 61851-1 regulates the degree of protection against access to hazardous live parts for the EV socket-outlets intended for Mode 3 use, when not mated. A charging station must provide a specific degree of protection against access to hazardous live parts.
The regulation allows different methods to achieve the required degree of protection.
However, if implemented individually, some protections methods alone might not be sufficent to meet the national regulations of some specific countries. One of the most widely accepted protection methods consists of fitting a mechanical protection, known as "shutters", in the contact tubes to prevent accidental direct contact with potentially live parts.
A standard Type2 socket outlet only has an IPXXB level of protection.
A Type 2 socket outlet with integrated shutters (T2S) allows to achieve a higher protection level, IPXXD, thus complying with the required safety level of IEC61851-1.
Scame's T2S socket represents today the preferred choice to meet the expectations of the European Commission and the safety requirements of the regulations and laws of most European Union member states.

Vandal-proof type 2 socket

Scame Type 2 socket with integrated shutters (T2S) is also available in a vandal-proof design, in this configuration equipping those charging stations intended mosty for installation in public areas.
In this vandal proof version the cover, which in standard applications is usually open, accessible and subject to damage, has been evolved into flaps that during the opening phase seamlessly slide into recessed compartments.
The opening phase is triggered when plugging in the charging cable. These flaps may also be latched and made accessible only after user autentication, thus preventing unwanted tampering with the socket outlet.
This Scame original One Hand System is designed to deliver a very friendly and intuitive charging operation and experience.
To further improve the user friendliness, the T2S vandal-proof socket outlet has a LED frame that clearly communicates the status of the charging point.

1.1 AC CHARGING STATIONS

Wall box



WALL BOX

BE-T SERIES
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Wall box with metal frame and single front charging point

BE-W[2.0] SERIES
p. 28

Wall box in thermoplastic material and single front charging point

WD SERIES
p. 34

Wall box with side charging points

BE-T Series

BE-T is a range of wall boxes for electric vehicles recharging in AC alternating current up to 22kW, equipped with a front socket or integrated cable fitted with a Type 2 connector. The Type 2 socket has integrated protection shutters, Scame patent. The user interface is ensured via local WiFi app or LCD display, depending on the models.

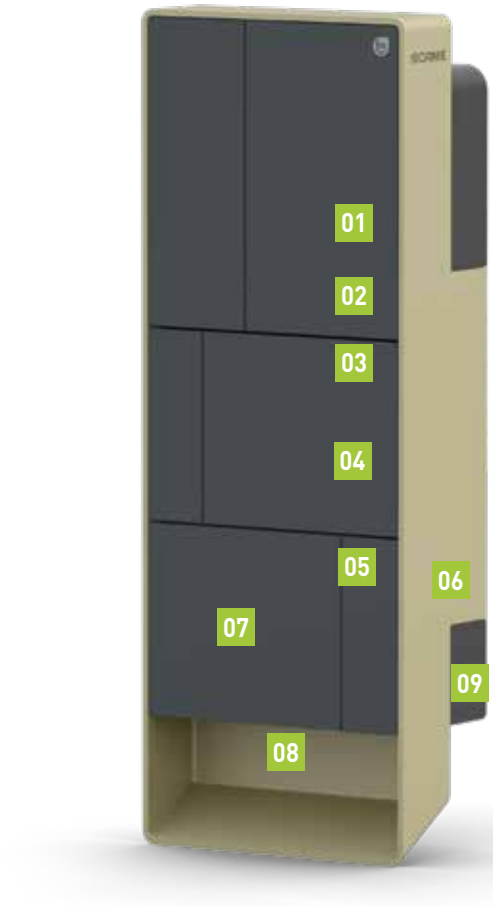
Available with free or controlled access, BE-T wall boxes can, depending on the versions, also be managed via the Scame Management System or be connected to an OCPP backend.

Made of halogen-free thermoplastic materials and with a powder-coated aluminum frame, the BE-T wall boxes are characterized by the clean and essential lines by Trussardi+Belloni Design, available in several aesthetic variants, as well as by the possibility of graphically customizing the front panel.

technical sheet **p. 110**

Technical information

Main characteristics



Type 2 socket with shutters (T2S)
Scame patented Type 2 socket outlet integrates a mechanical protection system (known as shutters) that elevate the safety standard to IPXXD.

01 User interface via local WiFi app or LCD display
02 RFID reader for user authentication
03 Connectivity via Ethernet-WiFi-2/3/4G
04 Access to protections compartment
05 Possibility of graphic customization of the front panel in addition to 5 aestethic variants
06 Powder-coated aluminium frame
07 Type 2 sockets with integrated shutters (T2S)
08 Charging status LED indicator
09 Menu navigation push button

Graphic customization

To make your BE-T wall box even more exclusive, you can customize the front panel with an image of your choice. To order the product in this configuration, simply replace the penultimate letter of the standard product code as shown in the example below.

C CUSTOM graphics

B BRONZE frame

ie:
205.T119-BCB

Aesthetic variants

The whole range of BE-T wall boxes can be further embellished, in terms of design, through 5 aesthetic variants of the front panel in exclusive combinations with specific colours of the metal frame.

STANDARD	METAL	WOOD	STONE	TEXTILE
				
ANTHRACITE standard graphic	METAL graphic	WOOD graphic	STONE graphic	TEXTILE graphic
BRONZE frame	GREEN frame	BRONZE frame	NICKEL frame	NICKEL frame

AC CHARGING STATIONS

Wall box

LITE

Rated power	Socket outlet	User interface	Access	Energy Meter	Protections	Connectivity	Dynamic Power Management [1]	Code
7,4 kW	T2S	APP	APP	STANDARD		WiFi	OPTIONAL	**205.T119-BAB**
	T2S	APP	APP	STANDARD	RCB0	WiFi	OPTIONAL	**205.T113-BAB**
22 kW	T2S	APP	APP	STANDARD		WiFi	OPTIONAL	**205.T119-DAB**
	T2S	APP	APP	STANDARD	RCB0	WiFi	OPTIONAL	**205.T113-DAB**

[1] *OPTIONAL DYNAMIC POWER MANAGEMENT: To activate the Dynamic Power Management function, the installation of the wall box must be integrated with a specific external energy meter that can be ordered using the code 208.PM01 for the 7,4kW single-phase versions or 208.PM02 for the 22kW three-phase versions.*

Mode:
FREE
PERSONAL

LITE >> TETHERED

Rated power	Socket outlet	User interface	Access	Energy Meter	Protections	Connectivity	Dynamic Power Management [1]	Code
7,4 kW	T2	APP	APP	STANDARD		WiFi	OPTIONAL	**205.T119-SAB**
	T2	APP	APP	STANDARD	RCB0	WiFi	OPTIONAL	**205.T113-SAB**
22 kW	T2	APP	APP	STANDARD		WiFi	OPTIONAL	**205.T119-UAB**
	T2	APP	APP	STANDARD	RCB0	WiFi	OPTIONAL	**205.T113-UAB**

[1] *OPTIONAL DYNAMIC POWER MANAGEMENT: To activate the Dynamic Power Management function, the installation of the wall box must be integrated with a specific external energy meter that can be ordered using the code 208.PM01 for the 7,4kW single-phase versions or 208.PM02 for the 22kW three-phase versions.*

Mode:
FREE
PERSONAL

Cable length: 7,5m

Aestethic variants

M METAL graphic
G GREEN frame
ie.
205.T119-BMG

W WOOD graphic
B BRONZE frame
ie.
205.T119-BWB

S STONE graphic
N NICKEL frame
ie.
205.T119-BSN

T TEXTILE graphic
N NICKEL frame
ie.
205.T119-BTN


Type 2S


Type 2

BUSINESS

Mode:
FREE
PERSONAL
WEB/NET (Satellite)

Rated power	Socket outlet	User interface	Access	Energy Meter	Protections	Connectivity	Dynamic Power Management [1]	Code
7,4 kW	T2S	LCD	RFID	MID	RCB0		OPTIONAL	**205.T33-BAB**
	T2S	LCD	RFID	MID			OPTIONAL	**205.T37-BAB**
22 kW	T2S	LCD	RFID	MID	RCB0		OPTIONAL	**205.T33-DAB**
	T2S	LCD	RFID	MID			OPTIONAL	**205.T37-DAB**

[1] *OPTIONAL DYNAMIC POWER MANAGEMENT: To activate the Dynamic Power Management function, the installation of the wall box must be integrated with a specific external energy meter that can be ordered using the code 208.PM01 for the 7,4kW single-phase versions or 208.PM02 for the 22kW three-phase versions.*

BUSINESS >> TETHERED

Mode:
FREE
PERSONAL
WEB/NET (Satellite)
Cable length: 7,5m

Rated power	Socket outlet	User interface	Access	Energy Meter	Protections	Connectivity	Dynamic Power Management [1]	Code
7,4 kW	T2	LCD	RFID	MID	RCB0		OPTIONAL	**205.T33-SAB**
	T2	LCD	RFID	MID			OPTIONAL	**205.T37-SAB**
22 kW	T2	LCD	RFID	MID	RCB0		OPTIONAL	**205.T33-UAB**
	T2	LCD	RFID	MID			OPTIONAL	**205.T37-UAB**

[1] *OPTIONAL DYNAMIC POWER MANAGEMENT: To activate the Dynamic Power Management function, the installation of the wall box must be integrated with a specific external energy meter that can be ordered using the code 208.PM01 for the 7,4kW single-phase versions or 208.PM02 for the 22kW three-phase versions.*

Aesthetic variants

M METAL graphic
G GREEN frame
ie.
205.T119-BMG

W WOOD graphic
B BRONZE frame
ie.
205.T119-BWB

S STONE graphic
N NICKEL frame
ie.
205.T119-BSN

T TEXTILE graphic
N NICKEL frame
ie.
205.T119-BTN


Type 2S


Type 2

AC CHARGING STATIONS

Wall box

PRO

Mode:
WEB/NET (Master)

Rated power	Socket outlet	User interface	Access	Energy Meter	Protections	Connectivity	Dynamic Power Management [1]	Code
7,4 kW	T2S	LCD	RFID	MID	RCB0	Ethernet	OPTIONAL	**205.T52-BAB**
	T2S	LCD	RFID	MID	RCB0	ETH-WiFi-2/3/4G	OPTIONAL	**205.T62-BAB**
	T2S	LCD	RFID	MID		Ethernet	OPTIONAL	**205.T74-BAB**
	T2S	LCD	RFID	MID		ETH-WiFi-2/3/4G	OPTIONAL	**205.T85-BAB**
22 kW	T2S	LCD	RFID	MID	RCB0	Ethernet	OPTIONAL	**205.T52-DAB**
	T2S	LCD	RFID	MID	RCB0	ETH-WiFi-2/3/4G	OPTIONAL	**205.T62-DAB**
	T2S	LCD	RFID	MID		Ethernet	OPTIONAL	**205.T74-DAB**
	T2S	LCD	RFID	MID		ETH-WiFi-2/3/4G	OPTIONAL	**205.T85-DAB**

[1] *OPTIONAL DYNAMIC POWER MANAGEMENT: To activate the Dynamic Power Management function, the installation of the wall box must be integrated with a specific external energy meter that can be ordered using the code 208.PM01 for the 7,4kW single-phase versions or 208.PM02 for the 22kW three-phase versions.*

PRO >> TETHERED

Mode:
WEB/NET (Master)
Cable length: 7,5m

Rated power	Socket outlet	User interface	Access	Energy Meter	Protections	Connectivity	Dynamic Power Management [1]	Code
7,4 kW	T2	LCD	RFID	MID	RCB0	Ethernet	OPTIONAL	**205.T52-SAB**
	T2	LCD	RFID	MID	RCB0	ETH-WiFi-2/3/4G	OPTIONAL	**205.T62-SAB**
	T2	LCD	RFID	MID		Ethernet	OPTIONAL	**205.T74-SAB**
	T2	LCD	RFID	MID		ETH-WiFi-2/3/4G	OPTIONAL	**205.T85-SAB**
22 kW	T2	LCD	RFID	MID	RCB0	Ethernet	OPTIONAL	**205.T52-UAB**
	T2	LCD	RFID	MID	RCB0	ETH-WiFi-2/3/4G	OPTIONAL	**205.T62-UAB**
	T2	LCD	RFID	MID		Ethernet	OPTIONAL	**205.T74-UAB**
	T2	LCD	RFID	MID		ETH-WiFi-2/3/4G	OPTIONAL	**205.T85-UAB**

[1] *OPTIONAL DYNAMIC POWER MANAGEMENT: To activate the Dynamic Power Management function, the installation of the wall box must be integrated with a specific external energy meter that can be ordered using the code 208.PM01 for the 7,4kW single-phase versions or 208.PM02 for the 22kW three-phase versions.*

Aestethic variants

M METAL graphic
G GREEN frame
ie.
205.T119-BMG

W WOOD graphic
B BRONZE frame
ie.
205.T119-BWB

S STONE graphic
N NICKEL frame
ie.
205.T119-BSN

T TEXTILE graphic
N NICKEL frame
ie.
205.T119-BTN


Type 2S


Type 2

FUNCTIONALITY

Description	Code
EXTERNAL ENERGY METER SINGLE PHASE	**208.PM01**
EXTERNAL ENERGY METER THREE-PHASE	**208.PM02**

ACCESSORIES

Description	Code
SCAME BRANDED USER CARD	**208.CARD**
UNBRANDED USER CARD (WHITE)	**208.CARD-W**
USER CARD PROGRAMMER	**208.PROG2**

Description	Code
ETH-WIFI-2/3/4G ROUTER PRE-CONFIGURED FOR CONNECTION TO THE LOCAL SERVER (TECHNICAL ASSISTANCE EXCLUDED) (SIM DATA, DATA TRAFFIC, VPN SERVICE, IF ANY, EXCLUDED)	**208.ROUTER**

BE-W[2.0] Series

BE-W[2.0] is a range of wall boxes for electric vehicles recharging in AC alternating current up to 22kW equipped with a front socket or integrated cable fitted with a Type 2 connector.

The Type 2 socket has integrated protection shutters, Scame patent. The user interface is ensured via local wifi app or LCD display, depending on the models.
Available with free or controlled access, BE-W[2.0] wall boxes can, depending on the versions, also be managed via the Scame Management System or be connected to an OCPP backend.

Made of halogen-free thermoplastic materials the BE-W[2.0] wall boxes are characterized by the clean and essential lines by Trussardi+Belloni Design.

Specific supports allow them to be installed on the ground.

technical sheet **p. 112**

Technical information

Main characteristics

Type 2 socket with shutters (T2S)
Scame patented Type 2 socket outlet integrates a mechanical protection system (known as shutters) that elevate the safety standard to IPXXD.

- 01 Halogen Free thermoplastic enclosure
- 02 Possibility of graphic customization with client's logo
- 03 Connectivity via Ethernet-WiFi-2/3/4G
- 04 Type 2 sockets with integrated shutters (T2S) or integrated cable
- 05 Charging status LED indicator
- 06 Menu navigation push button
- 07 RFID reader for user authentication
- 08 Local WiFi app or LCD display

Graphic customization

The BE-W[2.0] wall box can be graphically customized by printing the client's logo on the upper portion of the central band.
To order the personalized product, simply add the letter C at the end of the code and at the same time attach a file in vector format containing the data necessary for the graphic creation.
ie. **205.W119-BC**.

N.B. Scame reserves the right not to accept graphic proposals that are deemed inappropriate.

Application examples

AC CHARGING STATIONS

Wall box

LITE

Rated power	Socket outlet	User interface	Access	Energy Meter	Protections	Connectivity	Dynamic Power Management [1]	Code
7,4 kW	T2S	APP	APP	STANDARD		WiFi	OPTIONAL	**205.W119-B**
	T2S	APP	APP	STANDARD	RCBO	WiFi	OPTIONAL	**205.W113-B**
11 kW	T2S	APP	APP	STANDARD		WiFi	OPTIONAL	**205.W119-C**
22 kW	T2S	APP	APP	STANDARD		WiFi	OPTIONAL	**205.W119-D**

[1] *OPTIONAL DYNAMIC POWER MANAGEMENT: To activate the Dynamic Power Management function, the installation of the wall box must be integrated with a specific external energy meter that can be ordered using the code 208.PM01 for the 7,4kW single-phase versions or 208.PM02 for the 11kW-22kW three-phase versions.*

IP: IP55

Mode:
FREE
PERSONAL

LITE >> TETHERED

Rated power	Connector	User interface	Access	Energy Meter	Protections	Connectivity	Dynamic Power Management [1]	Code
7,4 kW	T2	APP	APP	STANDARD		WiFi	OPTIONAL	**205.W119-S**
	T2	APP	APP	STANDARD	RCBO	WiFi	OPTIONAL	**205.W113-S**
11 kW	T2	APP	APP	STANDARD		WiFi	OPTIONAL	**205.W119-T**
22 kW	T2	APP	APP	STANDARD		WiFi	OPTIONAL	**205.W119-U**

Cable holder included.

[1] *OPTIONAL DYNAMIC POWER MANAGEMENT: To activate the Dynamic Power Management function, the installation of the wall box must be integrated with a specific external energy meter that can be ordered using the code 208.PM01 for the 7,4kW single-phase versions or 208.PM02 for the 11kW-22kW three-phase versions.*

IP: IP55

Mode:
FREE
PERSONAL

Cable length: 5m

Type 2S

Type 2

BUSINESS

IP: IP55

Mode:
FREE
PERSONAL
WEB/NET (Satellite)

Rated power	Socket outlet	User interface	Access	Energy Meter	Protections	Connectivity	Dynamic Power Management [1]	Code
7,4 kW	T2S	LCD	RFID	STANDARD			OPTIONAL	**205.W36-B**
	T2S	LCD	RFID	MID			OPTIONAL	**205.W37-B**
	T2S	LCD	RFID	STANDARD	RCBO		OPTIONAL	**205.W32-B**
	T2S	LCD	RFID	MID	RCBO		OPTIONAL	**205.W33-B**
11 kW	T2S	LCD	RFID	STANDARD			OPTIONAL	**205.W36-C**
	T2S	LCD	RFID	MID			OPTIONAL	**205.W37-C**
22 kW	T2S	LCD	RFID	STANDARD			OPTIONAL	**205.W36-D**
	T2S	LCD	RFID	MID			OPTIONAL	**205.W37-D**

[1] *OPTIONAL DYNAMIC POWER MANAGEMENT: To activate the Dynamic Power Management function, the installation of the wall box must be integrated with a specific external energy meter that can be ordered using the code 208.PM01 for the 7,4kW single-phase versions or 208.PM02 for the 11kW-22kW three-phase versions.*

BUSINESS >> TETHERED

IP: IP55

Mode:
FREE
PERSONAL
WEB/NET (Satellite)

Cable length: 5m

Rated power	Connector	User interface	Access	Energy Meter	Protections	Connectivity	Dynamic Power Management [1]	Code
7,4 kW	T2	LCD	RFID	STANDARD			OPTIONAL	**205.W36-S**
	T2	LCD	RFID	MID			OPTIONAL	**205.W37-S**
	T2	LCD	RFID	STANDARD	RCBO		OPTIONAL	**205.W32-S**
	T2	LCD	RFID	MID	RCBO		OPTIONAL	**205.W33-S**
11 kW	T2	LCD	RFID	STANDARD			OPTIONAL	**205.W36-T**
	T2	LCD	RFID	MID			OPTIONAL	**205.W37-T**
22 kW	T2	LCD	RFID	STANDARD			OPTIONAL	**205.W36-U**
	T2	LCD	RFID	MID			OPTIONAL	**205.W37-U**

Cable holder included.

[1] *OPTIONAL DYNAMIC POWER MANAGEMENT: To activate the Dynamic Power Management function, the installation of the wall box must be integrated with a specific external energy meter that can be ordered using the code 208.PM01 for the 7,4kW single-phase versions or 208.PM02 for the 11kW-22kW three-phase versions.*

Type 2S

Type 2

AC CHARGING STATIONS

Wall box

PRO

IP: IP55

Mode:
WEB/NET (Master)

Rated power	Socket outlet	User interface	Access	Energy Meter	Protections	Connectivity	Dynamic Power Management [1]	Code
7,4 kW	T2S	LCD	RFID	MID		ETHERNET	OPTIONAL	**205.W74-B**
	T2S	LCD	RFID	MID		ETH-WIFI-2/3/4G	OPTIONAL	**205.W85-B**
	T2S	LCD	RFID	MID	RCBO	ETHERNET	OPTIONAL	**205.W52-B**
	T2S	LCD	RFID	MID	RCBO	ETH-WIFI-2/3/4G	OPTIONAL	**205.W62-B**
11 kW	T2S	LCD	RFID	MID		ETHERNET	OPTIONAL	**205.W74-C**
	T2S	LCD	RFID	MID		ETH-WIFI-2/3/4G	OPTIONAL	**205.W85-C**
22 kW	T2S	LCD	RFID	MID		ETHERNET	OPTIONAL	**205.W74-D**
	T2S	LCD	RFID	MID		ETH-WIFI-2/3/4G	OPTIONAL	**205.W85-D**

[1] *OPTIONAL DYNAMIC POWER MANAGEMENT: To activate the Dynamic Power Management function, the installation of the wall box must be integrated with a specific external energy meter that can be ordered using the code 208.PM01 for the 7,4kW single-phase versions or 208.PM02 for the 11kW-22kW three-phase versions.*

PRO >> TETHERED

IP: IP55

Mode:
WEB/NET (Master)

Cable length: 5m

Rated power	Connector	User interface	Access	Energy Meter	Protections	Connectivity	Dynamic Power Management [1]	Code
7,4 kW	T2	LCD	RFID	MID		ETHERNET	OPTIONAL	**205.W74-S**
	T2	LCD	RFID	MID		ETH-WIFI-2/3/4G	OPTIONAL	**205.W85-S**
	T2	LCD	RFID	MID	RCBO	ETHERNET	OPTIONAL	**205.W52-S**
	T2	LCD	RFID	MID	RCBO	ETH-WIFI-2/3/4G	OPTIONAL	**205.W62-S**
11 kW	T2	LCD	RFID	MID		ETHERNET	OPTIONAL	**205.W74-T**
	T2	LCD	RFID	MID		ETH-WIFI-2/3/4G	OPTIONAL	**205.W85-T**
22 kW	T2	LCD	RFID	MID		ETHERNET	OPTIONAL	**205.W74-U**
	T2	LCD	RFID	MID		ETH-WIFI-2/3/4G	OPTIONAL	**205.W85-U**

Cable holder included.

[1] *OPTIONAL DYNAMIC POWER MANAGEMENT: To activate the Dynamic Power Management function, the installation of the wall box must be integrated with a specific external energy meter that can be ordered using the code 208.PM01 for the 7,4kW single-phase versions or 208.PM02 for the 11kW-22kW three-phase versions.*

FUNCTIONALITY

Description	Code
EXTERNAL ENERGY METER SINGLE PHASE	**208.PM01**
EXTERNAL ENERGY METER THREE-PHASE	**208.PM02**

Type 2S

Type 2

ACCESSORIES >> MOUNTING PLATES

Description	Code
MOUNTING PLATE FOR BE-W[2.0]	**208.AP24**

ACCESSORIES >> PEDESTALS

Description	Code
SINGLE-SIDED STANDING PEDESTAL KIT DIRECT FIXING FOR BE-W[2.0] SOCKET OUTLET VERSION	**208.AP42**
SINGLE-SIDED STANDING PEDESTAL KIT BRACKET FIXING FOR BE-W[2.0] SOCKET OUTLET VERSION	**208.AP43**
SINGLE-SIDED STANDING PEDESTAL KIT DIRECT FIXING FOR BE-W[2.0] TETHERED VERSION	**208.AP46**
SINGLE-SIDED STANDING PEDESTAL KIT BRACKET FIXING FOR BE-W[2.0] TETHERED VERSION	**208.AP47**

Description	Code
DOUBLE-SIDED STANDING PEDESTAL KIT DIRECT FIXING FOR BE-W[2.0] SOCKET OUTLET VERSION	**208.AP44**
DOUBLE-SIDED STANDING PEDESTAL KIT BRACKET FIXING FOR BE-W[2.0] SOCKET OUTLET VERSION	**208.AP45**
DOUBLE-SIDED STANDING PEDESTAL KIT DIRECT FIXING FOR BE-W[2.0] TETHERED VERSION	**208.AP48**
DOUBLE-SIDED STANDING PEDESTAL KIT BRACKET FIXING FOR BE-W[2.0] TETHERED VERSION	**208.AP49**

ACCESSORIES >> POLE MOUNTING

Description	Code
POLE MOUNTING FIXING Ø 80 MM OVER PLATE FOR BE-W[2.0] WALL BOX	**208.AP25**
POLE MOUNTING FIXING Ø 140 MM OVER PLATE FOR BE-W[2.0] WALL BOX	**208.AP25L**
POLE MOUNTING FIXING Ø 80 MM OVER PLATE FOR BE-W[2.0] WALL BOX WITH CABLE SUPPORT HOOK	**208.AP26**
METAL POLE MADE OF GALVANISED STEEL FOR WALL BOX BE-W[2.0] Ø 80 MM H=1250MM	**208.AP11**

ACCESSORIES

Description	Code
SCAME BRANDED USER CARD	**208.CARD**
UNBRANDED USER CARD (WHITE)	**208.CARD-W**
USER CARD PROGRAMMER	**208.PROG2**

Description	Code
ETH-WIFI-2/3/4G ROUTER PRE-CONFIGURED FOR CONNECTION TO THE LOCAL SERVER (TECHNICAL ASSISTANCE EXCLUDED) (SIM DATA, DATA TRAFFIC, VPN SERVICE, IF ANY, EXCLUDED)	**208.ROUTER**

WD Series

WD is a range of wall boxes for electric vehicles recharging in AC alternating current up to 22kW equipped with side sockets or integrated cables fitted with a Type 2 connectors

The Type 2 sockets have integrated protective shutters, vandal proof protection and charging point status LED frame.

The user interface is ensured via LCD display.

Available with free or controlled access, WD wall boxes can, depending on the versions, also be managed via the Scame Management System or be connected to an OCPP backend.

Made of high resistance thermoplastic material and painted steel sheet, they are ideal for installation in public areas where it is not possible to install a pillar.

technical sheet **p. 115**

Technical information

Main characteristics

Vandal-proof Type 2 socket
T2S socket outlet with vandal-proof protection with automatic opening when the connector is inserted.

01 High resistance thermoplastic and painted steel enclosure

02 Possibility of graphic customization with client's logo (on demand)

03 Availability of specific supports for wall or ground installation

04 Menu navigation push button

05 Type 2 sockets with integrated shutters (T2S), vandal-proof protection and charging status LED frame or integrated cable

06 RFID reader for user authentication

07 LCD display

Graphic customization

The BE-D wall box can be graphically customized by adding your company logo on the front panel. Graphic customization must be requested by specifying the code **209.CU01-WD** when ordering and at the same time attaching a file in vector format including the data necessary for the graphic creation.

N.B. Scame Parre reserves the right not to accept graphic proposals that are deemed inappropriate.

Application examples

AC CHARGING STATIONS

Wall box

BUSINESS

Mode:
FREE
PERSONAL
WEB/NET (Satellite)

Rated power	Socket outlet	Access	Energy Meter	Protections	Connectivity	Code
2x7,4 kW	2xT2S	RFID	MID	RCBO		**204.WD21B-T2T2M**
	2xT2S	RFID	MID			**204.WD21D-T2T2M**
2x22 kW	2xT2S	RFID	MID	RCBO		**204.WD23B-T2T2M**
	2xT2S	RFID	MID			**204.WD23D-T2T2M**

BUSINESS >> TETHERED

Mode:
FREE
PERSONAL
WEB/NET (Satellite)
Cable lenght: 4m

Rated power	Connector	Access	Energy Meter	Protections	Connectivity	Code
2x22 kW	2xT2	RFID	MID	RCBO		**204.WD23R-T24T24M**

Type 2S

Type 2

PRO

Mode:
WEB/NET (Master)

Rated power	Socket outlet	Access	Energy Meter	Protections	Connectivity	Code
2x7,4 kW	2xT2S	RFID	MID		ETHERNET	**204.WD21D-T2T2MA**
	2xT2S	RFID	MID	RCBO	ETHERNET	**204.WD21B-T2T2MA**
	2xT2S	RFID	MID		ETH-WIFI-2/3/4G	**204.WD21D-T2T2ME**
	2xT2S	RFID	MID	RCBO	ETH-WIFI-2/3/4G	**204.WD21B-T2T2ME**
2x22 kW	2xT2S	RFID	MID		ETHERNET	**204.WD23D-T2T2MA**
	2xT2S	RFID	MID	RCBO	ETHERNET	**204.WD23B-T2T2MA**
	2xT2S	RFID	MID		ETH-WIFI-2/3/4G	**204.WD23D-T2T2ME**
	2xT2S	RFID	MID	RCBO	ETH-WIFI-2/3/4G	**204.WD23B-T2T2ME**

PRO >> TETHERED

Mode:
WEB/NET (Master)
Cable lenght: 4m

Rated power	Connector	Access	Energy Meter	Protections	Connectivity	Code
2x22 kW	2xT2	RFID	MID	RCBO	ETHERNET	**204.WD23R-T24T24MA**
		RFID	MID	RCBO	ETH-WIFI-2/3/4G	**204.WD23R-T24T24ME**

ACCESSORIES >> POLE INSTALLATION

Description	Code
METAL POLE MADE OF GALVANISED STEEL FOR DUAL WALL BOX (WD) Ø 80 mm H=1500 mm	**208.AP12**
FIXING PLATE MADE OF GALVANISED STEEL FOR WD WALL BOX	**208.AP22**

ACCESSORIES

Description	Code
SCAME BRANDED USER CARD	**208.CARD**
UNBRANDED USER CARD (WHITE)	**208.CARD-W**
USER CARD PROGRAMMER	**208.PROG2**

Description	Code
ETH-WIFI-2/3/4G ROUTER PRE-CONFIGURED FOR CONNECTION TO THE LOCAL SERVER (TECHNICAL ASSISTANCE EXCLUDED) (SIM DATA, DATA TRAFFIC, VPN SERVICE, IF ANY, EXCLUDED)	**208.ROUTER**

Type 2S

Type 2

PILLARS

BE-A Series

BE-A is a range of charging stations for electric vehicles recharging in AC alternating current up to 22kW equipped with front sockets.

The Type 2 sockets have integrated protective shutters, vandal proof protection and charging point status LED frame.

The user interface is ensured via LCD display.

Available with free or controlled access, BE-A charging stations can, depending on the versions, also be managed via the Scame Management System or be connected to an OCPP backend.

Made of powder-coated steel, they are characterized not only by their sturdiness but also by the clean and essential lines by Trussardi+Belloni Design and by the possibility of recessed installation in wall niches thanks to the front positioned sockets.

technical sheet **p. 108**

Technical information

Main characteristics

Vandal-proof Type 2 socket
T2S socket outlet with vandal-proof protection with automatic opening when the connector is inserted.

01 Menu navigation push button

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

03 Powder coated steel structure. Maximum resistance to chemical ad atmospheric agents and to corrosion

04 Possibility of graphic customization with client's logo (on demand)

05 Versions available with 1 or 2 front sockets

06 Type 2 sockets with integrated shutters (T2S), vandal-proof protection and charging status LED frame

07 RFID reader for user authentication

08 LCD display

Graphic customization

The BE-A charging station can be graphically customized by adding your company logo in the indicated area.
Graphic customization must be requested by specifying the code **209.CU01-A** when ordering and at the same time attaching a file in vector format including the data necessary for the graphic creation.

N.B. Scame Parre reserves the right not to accept graphic proposals that are deemed inappropriate

Application examples

AC CHARGING STATIONS

Pillars

BUSINESS

Mode:
FREE
PERSONAL
WEB/NET (Satellite)

Rated power	Socket outlet	Access	Energy Meter	Protections	Connectivity	Code
2x7,4 kW	2xT2S	RFID	MID	RCBO		**205.A33-BB**
2x11 kW	2xT2S	RFID	MID	RCBO		**205.A33-CC**
2x22 kW	2xT2S	RFID	MID	RCBO		**205.A33-DD**

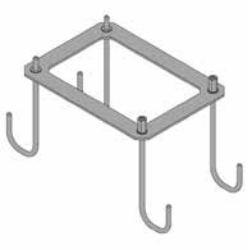
PRO

Mode:
WEB/NET (Master)

Rated power	Socket outlet	Access	Energy Meter	Protections	Connectivity	Code
2x7,4 kW	2xT2S	RFID	MID	RCBO	ETHERNET	**205.A52-BB**
	2xT2S	RFID	MID	RCBO	ETH-WiFi-2/3/4G	**205.A62-BB**
2x11 kW	2xT2S	RFID	MID	RCBO	ETHERNET	**205.A52-CC**
	2xT2S	RFID	MID	RCBO	ETH-WiFi-2/3/4G	**205.A62-CC**
2x22 kW	2xT2S	RFID	MID	RCBO	ETHERNET	**205.A52-DD**
	2xT2S	RFID	MID	RCBO	ETH-WiFi-2/3/4G	**205.A62-DD**

Type 2S

ACCESSORIES



Description	Code
SUPPORT FOR BRACKET FIXING	**208.AP23**

Description	Code
SCAME BRANDED USER CARD	**208.CARD**
UNBRANDED USER CARD (WHITE)	**208.CARD-W**
USER CARD PROGRAMMER	**208.PROG2**

Description	Code
ETH-WIFI-2/3/4G ROUTER PRE-CONFIGURED FOR CONNECTION TO THE LOCAL SERVER (TECHNICAL ASSISTANCE EXCLUDED) (SIM DATA, DATA TRAFFIC, VPN SERVICE, IF ANY, EXCLUDED)	**208.ROUTER**

BE-B Series

BE-B is a range of charging stations for electric vehicles recharging in AC alternating current up to 22kW equipped with side sockets or integrated cables fitted with a Type 2 connectors.

The Type 2 sockets have integrated protective shutters, vandal proof protection and charging point status LED frame.

The user interface is ensured via LCD display.

Available with free or controlled access, BE-B charging stations can, depending on the versions, also be managed via the Scame Management System or be connected to an OCPP backend.

Made of powder-coated steel, they are characterized not only by their sturdiness but also by the clean and essential lines by Trussardi+Belloni Design which make them suitable for any context.

technical sheet **p. 109**

Technical information

Main characteristics

Vandal-proof Type 2 socket
T2S socket outlet with vandal-proof protection with automatic opening when the connector is inserted.

01 Menu navigation push button

02 Powder coated steel structure. Maximum resistance to chemical ad atmospheric agents and to corrosion

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

04 Possibility of graphic customization with client's logo (on demand)

05 Versions available with 1 or 2 side sockets or integrated cable

06 Type 2 sockets with integrated shutters (T2S), vandal-proof protection and charging status LED frame or integrated cable

07 RFID reader for user authentication

08 LCD display

Graphic customization

The BE-B charging station can be graphically customized by adding your company logo in the indicated area.
Graphic customization must be requested by specifying the code **209.CU01-B** when ordering and at the same time attaching a file in vector format including the data necessary for the graphic creation.

N.B. Scame Parre reserves the right not to accept graphic proposals that are deemed inappropriate

Application examples

AC CHARGING STATIONS

Pillars

BUSINESS

Rated power	Socket outlet	Access	Energy Meter	Protections	Connectivity	Code
2x7,4 kW	2xT2S	RFID	MID	RCBO		**205.B33-BB**
2x11 kW	2xT2S	RFID	MID	RCBO		**205.B33-CC**
2x22 kW	2xT2S	RFID	MID	RCBO		**205.B33-DD**

Mode:
FREE
PERSONAL
WEB/NET (Satellite)

BUSINESS >> TETHERED

Rated power	Connector	Access	Energy Meter	Protections	Connectivity	Code
2x7,4 kW	2xT2	RFID	MID	RCBO		**205.B33-SS**
2x11 kW	2xT2	RFID	MID	RCBO		**205.B33-TT**
2x22 kW	2xT2	RFID	MID	RCBO		**205.B33-UU**

Mode:
FREE
PERSONAL
WEB/NET (Satellite)
Cable lenght: 4m

PRO

Rated power	Socket outlet	Access	Energy Meter	Protections	Connectivity	Code
2x7,4 kW	2xT2S	RFID	MID	RCBO	ETHERNET	**205.B52-BB**
	2xT2S	RFID	MID	RCBO	ETH-WiFi-2/3/4G	**205.B62-BB**
2x11 kW	2xT2S	RFID	MID	RCBO	ETHERNET	**205.B52-CC**
	2xT2S	RFID	MID	RCBO	ETH-WiFi-2/3/4G	**205.B62-CC**
2x22 kW	2xT2S	RFID	MID	RCBO	ETHERNET	**205.B52-DD**
	2xT2S	RFID	MID	RCBO	ETH-WiFi-2/3/4G	**205.B62-DD**

Mode:
WEB/NET (Master)

Type 2S

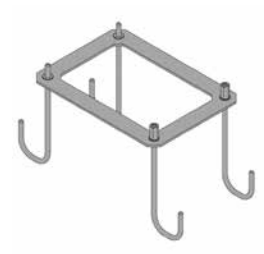
Type 2

PRO >> TETHERED

Mode:
WEB/NET (Master)
Cable lenght: 4m

Rated power	Connector	Access	Energy Meter	Protections	Connectivity	Code
2x7,4 kW	2xT2	RFID	MID	RCBO	ETHERNET	**205.B52-SS**
	2xT2	RFID	MID	RCBO	ETH-WiFi-2/3/4G	**205.B62-SS**
2X22 kW	2xT2	RFID	MID	RCBO	ETHERNET	**205.B52-UU**
	2xT2	RFID	MID	RCBO	ETH-WiFi-2/3/4G	**205.B62-UU**

ACCESSORIES



Description	Code
SUPPORT FOR BRACKET FIXING	**208.AP23**

Description	Code
SCAME BRANDED USER CARD	**208.CARD**
UNBRANDED USER CARD (WHITE)	**208.CARD-W**
USER CARD PROGRAMMER	**208.PROG2**

Description	Code
ETH-WIFI-2/3/4G ROUTER PRE-CONFIGURED FOR CONNECTION TO THE LOCAL SERVER (TECHNICAL ASSISTANCE EXCLUDED) (SIM DATA, DATA TRAFFIC, VPN SERVICE, IF ANY, EXCLUDED)	**208.ROUTER**

Type 2S

Type 2

CA Series

CA is a range of charging stations for electric vehicles recharging in AC alternating current up to 22kW equipped with side sockets or integrated cables fitted with a Type 2 connectors.

The Type 2 sockets have integrated protective shutters, vandal proof protection and charging point status LED frame.

The user interface is ensured via LCD display.

Available with free or controlled access, CA charging stations can, depending on the versions, also be managed via the Scame Management System or be connected to an OCPP backend.

Made of painted steel, they are characterized not only by their sturdiness but also by the removable plexiglass panels which can be graphically customized.

technical sheet **p. 103**

Technical information

Main characteristics

Vandal-proof Type 2 socket
T2S socket outlet with vandal-proof protection with automatic opening when the connector is inserted.

01 Head with charging status high visibility LED

02 Varnished steel structure. Maximum resistance to chemical ad atmospheric agents and to corrosion

03 Removable and graphically customizable plexiglass panels

04 Single or double-sided versions available with 1 up to 4 sockets or with integrated cable

05 Type 2 sockets with integrated shutters (T2S), vandal-proof protection and charging status LED frame or integrated cable

06 RFID reader for user authentication

07 LCD display

08 Menu navigation push button

Graphic customization

The CA charging station can be graphically customized by printing your company logo on the plexiglass panels Graphic customization must be requested by specifying the code **209.CU01-CA** when ordering and at the same time attaching a file in vector format including the data necessary for the graphic creation.

N.B. Scame Parre reserves the right not to accept graphic proposals that are deemed inappropriate.

Application examples

AC CHARGING STATIONS

Pillars

BUSINESS

Rated power	Socket outlet	Access	Energy Meter	Protections	Connectivity	Code
1x7,4 kW	1xT2S	RFID	MID	RCBO		**204.CA11B-T2M**
1x22 kW	1xT2S	RFID	MID	RCBO		**204.CA13B-T2M**
2x7,4 kW	2xT2S	RFID	MID			**204.CA21D-T2T2M**
	2xT2S	RFID	MID	RCBO		**204.CA21B-T2T2M**
2x11 kW	2xT2S	RFID	MID	RCBO		**204.CA26B-T2T2M**
2x22 kW	2xT2S	RFID	MID			**204.CA23D-T2T2M**
2x22 kW	2xT2S	RFID	MID	RCBO		**204.CA23B-T2T2M**
4x7,4 kW	4xT2S	RFID	MID	RCBO		**204.CA41B-003M**

Mode:
FREE
PERSONAL
WEB/NET (Satellite)

BUSINESS >> TETHERED

Rated power	Connector	Access	Energy Meter	Protections	Connectivity	Code
2x7,4 kW	2xT2	RFID	MID	RCBO		**204.CA21R-T23T23M**
2x22 kW	2xT2	RFID	MID	RCBO		**204.CA23R-T24T24M**

Mode:
FREE
PERSONAL
WEB/NET (Satellite)
Cable lenght: 3m

PRO

Rated power	Socket outlet	Access	Energy Meter	Protections	Connectivity	Code
1x7,4 kW	1xT2S	RFID	MID	RCBO	ETHERNET	**204.CA11B-T2MA**
1x22 kW	1xT2S	RFID	MID	RCBO	ETHERNET	**204.CA13B-T2MA**
2x7,4 kW	2xT2S	RFID	MID		ETHERNET	**204.CA21D-T2T2MA**
	2xT2S	RFID	MID		ETH-WiFi-2/3/4G	**204.CA21D-T2T2ME**
	2xT2S	RFID	MID	RCBO	ETHERNET	**204.CA21B-T2T2MA**
	2xT2S	RFID	MID	RCBO	ETH-WiFi-2/3/4G	**204.CA21B-T2T2ME**
2x11 kW	2xT2S	RFID	MID	RCBO	ETHERNET	**204.CA26B-T2T2MA**
	2xT2S	RFID	MID	RCBO	ETH-WiFi-2/3/4G	**204.CA26B-T2T2ME**
2x22 kW	2xT2S	RFID	MID		ETHERNET	**204.CA23D-T2T2MA**
	2xT2S	RFID	MID		ETH-WiFi-2/3/4G	**204.CA23D-T2T2ME**
	2xT2S	RFID	MID	RCBO	ETHERNET	**204.CA23B-T2T2MA**
	2xT2S	RFID	MID	RCBO	ETH-WiFi-2/3/4G	**204.CA23B-T2T2ME**
4x7,4 kW	4xT2S	RFID	MID	RCBO	ETHERNET	**204.CA41B-003MA**
	4xT2S	RFID	MID	RCBO	ETH-WiFi-2/3/4G	**204.CA41B-003ME**

Mode:
WEB/NET (Master)

Type 2S

Type 2

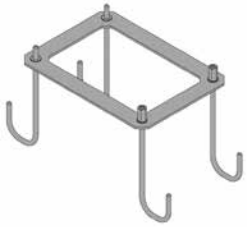
PRO >> TETHERED

Rated power	Connector	Access	Energy Meter	Protections	Connectivity	Code
2x7,4 kW	2xT2	RFID	MID	RCBO	ETHERNET	**204.CA21R-T23T23MA**
	2xT2	RFID	MID	RCBO	ETH-WiFi-2/3/4G	**204.CA21R-T23T23ME**
2x22 kW	2xT2	RFID	MID	RCBO	ETHERNET	**204.CA23R-T24T24MA**
	2xT2	RFID	MID	RCBO	ETH-WiFi-2/3/4G	**204.CA23R-T24T24ME**

Mode:
WEB/NET (Master)

Cable lenght: 3m

ACCESSORIES



Description	Code
SUPPORT FOR BRACKET FIXING	**208.AP23**

Description	Code
SCAME BRANDED USER CARD	**208.CARD**
UNBRANDED USER CARD (WHITE)	**208.CARD-W**
USER CARD PROGRAMMER	**208.PROG2**

Description	Code
ETH-WIFI-2/3/4G ROUTER PRE-CONFIGURED FOR CONNECTION TO THE LOCAL SERVER (TECHNICAL ASSISTANCE EXCLUDED) (SIM DATA, DATA TRAFFIC, VPN SERVICE, IF ANY, EXCLUDED)	**208.ROUTER**

Type 2S

Type 2

CB Series

CB is a range of charging stations for electric vehicles recharging in AC alternating current up to 22kW equipped with side sockets.

The Type 2 sockets have integrated protective shutters, vandal proof protection and charging point status LED frame.

The user interface is ensured via LCD display.

Available with free or controlled access, CB charging stations can, depending on the versions, also be managed via the Scame Management System or be connected to an OCPP backend.

Made of stainless steel, they are ideal for installation in public and private eareas such as ports or marinas thanks to an high level of resistance to salt mists as well as atmospheric agents.

technical sheet **p. 114**

Technical information

Main characteristics

Vandal-proof Type 2 socket
T2S socket outlet with vandal-proof protection with automatic opening when the connector is inserted.

01 Head with charging status high visibility LED

02 AISI 316L stainless steel structure. Maximum resistance to chemical ad atmospheric agents and to corrosion

03 Versions available with 2 side sockets

04 Type 2 sockets with integrated shutters (T2S), vandal-proof protection and charging status LED frame

05 RFID reader for user authentication

06 LCD display

07 Menu navigation push button

Application examples

AC CHARGING STATIONS

Pillars

BUSINESS

Mode:
FREE
PERSONAL
WEB/NET (Satellite)

Rated power	Socket outlet	Access	Energy Meter	Protections	Connectivity	Code
2X7,4 kW	2xT2S	RFID	STANDARD	RCBO		**204.CB21B-T2T2**
2X22 kW	2xT2S	RFID	STANDARD	RCBO		**204.CB23B-T2T2**

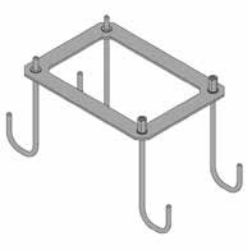
PRO

Mode:
WEB/NET (Master)

Rated power	Socket outlet	Access	Energy Meter	Protections	Connectivity	Code
2X7,4 kW	2xT2S	RFID	STANDARD	RCBO	ETHERNET	**204.CB21B-T2T2A**
	2xT2S	RFID	STANDARD	RCBO	ETH-WiFi-2/3/4G	**204.CB21B-T2T2E**
2X22 kW	2xT2S	RFID	STANDARD	RCBO	ETHERNET	**204.CB23B-T2T2A**
	2xT2S	RFID	STANDARD	RCBO	ETH-WiFi-2/3/4G	**204.CB23B-T2T2E**

Type 2S

ACCESSORIES



Description	Code
SUPPORT FOR BRACKET FIXING	**208.AP23**

Description	Code
SCAME BRANDED USER CARD	**208.CARD**
UNBRANDED USER CARD (WHITE)	**208.CARD-W**
USER CARD PROGRAMMER	**208.PROG2**

Description	Code
ETH-WIFI-2/3/4G ROUTER PRE-CONFIGURED FOR CONNECTION TO THE LOCAL SERVER (TECHNICAL ASSISTANCE EXCLUDED) (SIM DATA, DATA TRAFFIC, VPN SERVICE, IF ANY, EXCLUDED)	**208.ROUTER**

SYSTEMS AND SERVICES

MULTI MANAGEMENT SYSTEM

p. 58

Systems for remote monitoring and management of charging stations

Multi Management System

Scame Multi Management System is the proprietary platform for managing and conveying in a single system informations related to a multi-site charging infrastructure, with more than one Master station and made up of both AC and DC charging stations.

The platform communicates via OCPP protocol and is agnostic to the hardware that is connected to it.

The Scame Multi Management System rovides full control of the entire system connected to it and allows for an extensive list of actions and information on individual charging points.

Multi Management System

As the complexity of the system increases, solutions must follow able to simplify the management of the charging infrastructure and facilitate system scalability.
Multi Management System is Scame's proprietary platform which allows you to manage and convey in a single system the information related to a charging infrastructure.

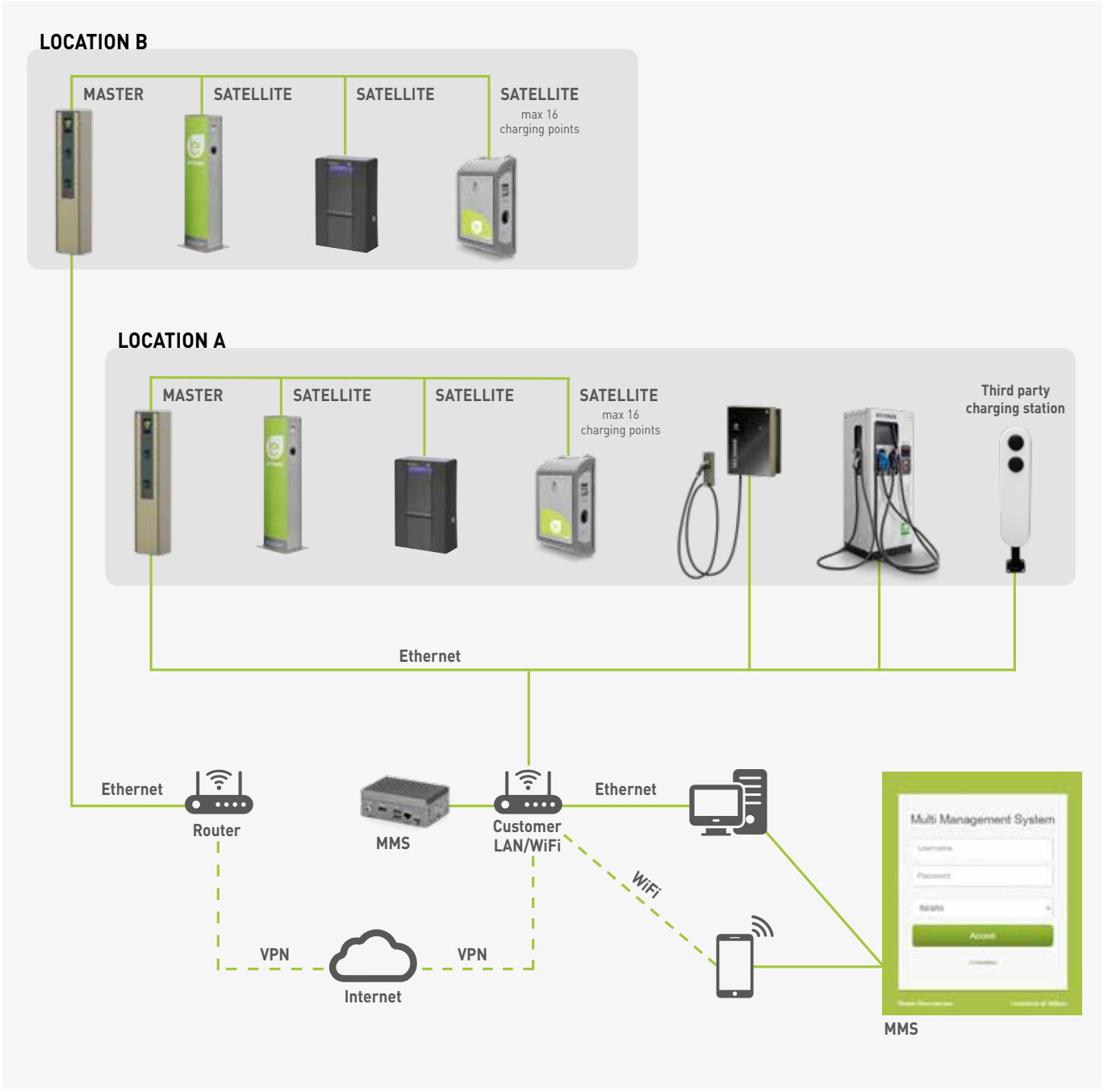
Scame Multi Management System is the ideal solution in those contexts where:
- The system has more than one Master charging station, i.e. PRO versions
- There is a mixed system between recharging stations in alternating current AC and direct current DC
- The system is multi-site, i.e. stations located on different sites of the same organisation
- You want to manage charging stations from different manufacturers*

The Scame Multi Management System is primarily an hardware device that is installed locally.
This release you from subscribing to any subscriptions to third-party E-mobility Service Providers.
The only condition is that the charging stations and the Multi Management System are placed under the same local LAN network, or, if installed in different sites, can be placed in a LAN via VPN. The platform communicates via the OCPP 1.5SOAP or 1.6JSON protocol and is therefore agnostic to the hardware that is connected to it.

To connect Scame charging stations to the Multi Management System platform will be sufficient to configure, within the Management System of the stations, the OCPP connection parameters.
The Scame Multi Management System, depending on the versions, allows you to manage up to 100 charging points through a single user interface accessible from browser. The Scame Multi Management System provides full control of the entire system connected to it and allows a large list of actions and information on individual charging points. Three levels of access are available, each with different degrees of permits.

Among the main features of the Scame Multi Management System they include:
- Information on the status of the charging points and any error messages
- Start/stop charging sessions
- Real-time data of the charging session
- Monitoring of consumption data
- Events monitoring
- Search/filter/download transaction history
- Soft reset of the charging point - Hard reset of the entire system
- User details and card assignment
- Creation of card list (e.g. employees/customers/guests)
- Restriction of the use of specific charging stations only to authorized card list
- Firmware and software update
- Web server

* the brands of charging stations that communicate in OCPP 1.6JSON and that have successfully carried out an integration test with Scame are compatible.



MULTI MANAGEMENT SYSTEM

Description	Code
MAX 10 MASTER MAX 50 CHARGING STATIONS	**208.MM501**
MAX 25 MASTER MAX 100 CHARGING STATIONS	**208.MM502**


ELECTRIC
VEHICLE
PARKING

ACCESSORIES FOR PARKING AREAS

SIGNAGE AND DELIMITATION p. 61
Signage and functional elements for parking areas

ACCESSORIES FOR THE CUSTOMIZATION OF THE CHARGING AREAS

Description	Code
JIG MADE OF GALVANISED METAL SHEET FOR HORIZONTAL SIGNAGE 1000X1000 MM	**208.AP32**

Description	Code
CAN OF SPRAY PAINT FOR HORIZONTAL SIGNAGE, GREEN 500 ML SIZE	**208.AP33**

Description	Code
ALUMINIUM SIGNAL BOARD 400X600 MM	**208.AP34**

Description	Code
GALVANIZED STEEL POLE FOR SIGNAL BOARD Ø 60 MM H=3000 MM	**208.AP35**
IMPACT PROTECTION GUARD Ø 60 MM 1200X500MM	**208.AP31**

DC
CHARGING STATIONS


SCAME

WALL BOX

BE-D SERIES

p. 66

Wall box with metal frame for DC charging

BE-D Series

BE-D is a range of wall boxes for electric vehicles recharging in DC direct current at 25kW, equipped with one or two cables with a CCS2 or CHAdeMO connector, to be positioned on specific surface mounting holders when not in use.

The user interface is guaranteed by a touch screen display.

BE-D charging stations, equipped with Ethernet-WiFi-2/3/4G connectivity, can be managed through Scame Management System or can be connected to an OCPP backend.

Made of halogen-free technopolymer and embellished with a powder-coated aluminium frame, they are characterized by clean and essential lines, signed by Trussardi+Belloni Design, which make them the ideal choice in any context. A specific pedestal in powder-coated steel allows BE-D charging stations floor mounting.

technical sheet **p. 116**

Technical information

Main characteristics

01 Rear metal plate to facilitate wall fixing during installation procedure

02 TFT touch screen display activated by a presence sensor to optimize energy consumption in stand-by

03 Connector holders with powder-coated aluminium frame

04 Powder-coated aluminium frame

05 RFID reader for user authentication

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

07 Removable power modules to facilitate the installation procedure

08 Possibility of graphic customization with client's logo

Graphic customization

Wanting to add an identity trait, the BE-D charging stations can be graphically customized by printing your company logo on a portion of the front panel.
Graphic customization must be requested by specifying the code **209.CU01-D** 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

Management System

Scame's charging stations can be monitored and managed remotely via the proprietary Management System or they can be connected to an external management platform via the standard OCPP 1.6JSON communication protocol.

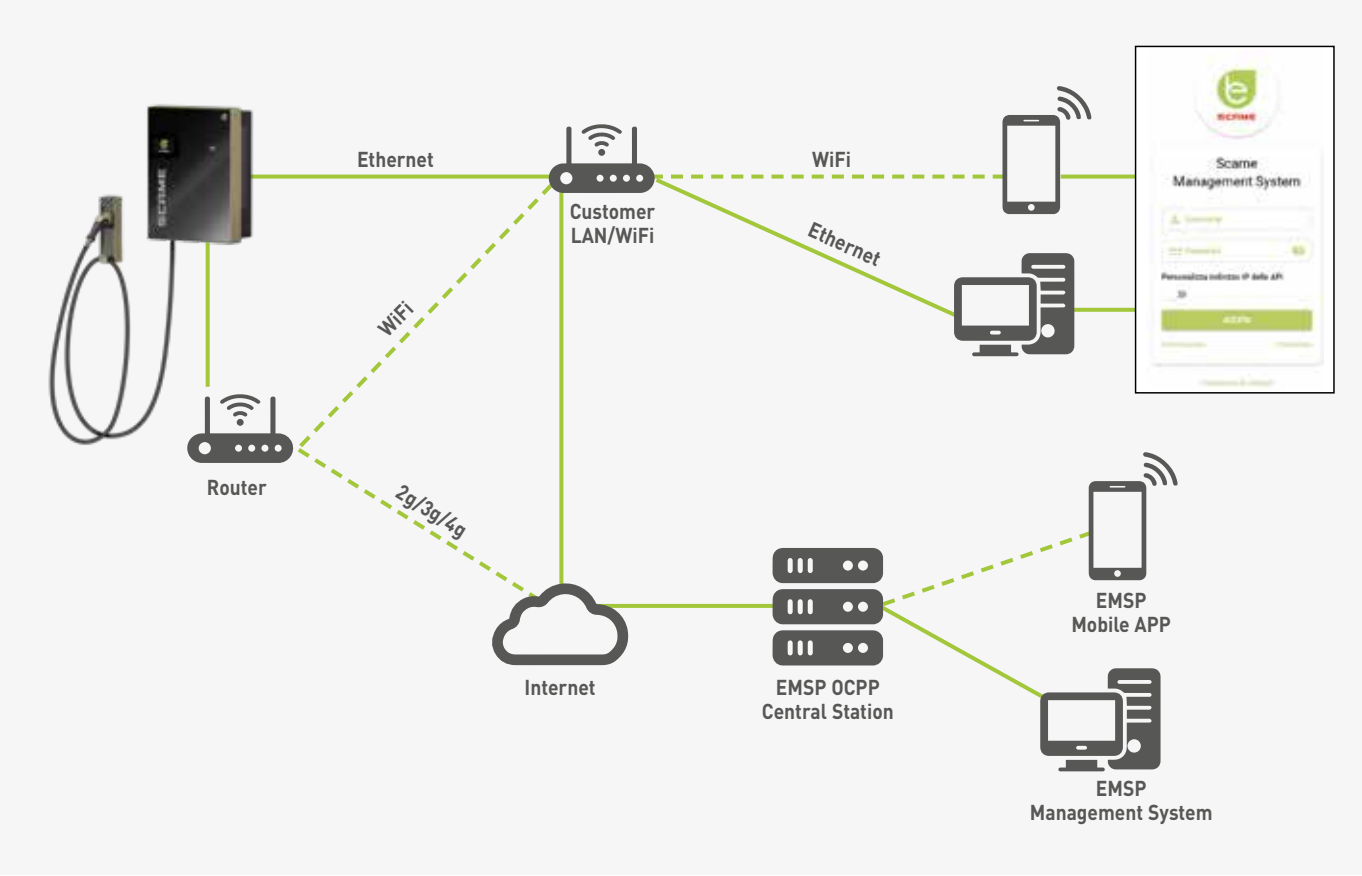
SCAME LOCAL MANAGEMENT SYSTEM

Scame charging stations can be monitored and managed remotely through the proprietary Management System. The software does not require subscriptions.
The Scame Management System must be configured in the local network and does not require any installation of additional software as access takes place with credentials via LAN IP address.
The Scame Management System provides full control of the system and allows for an extensive list of actions and information such as:

- Management of access modes to the charging point (with or without authorization)
- Management of the list of authorized users and any limitations (time or number of accesses)
- Information on the status of the charging points and any error messages
- Start/stop of the charging sessions
- Real-time data of the charging session
- Monitoring of consumption data
- Search/filter/download transaction history
- Limitation of the current available at the recharging point
- Soft reset of the charging point - Hard reset of the entire system
- Firmware and software update
- Web app
- Configuration of links to external platforms via OCPP 1.6JSON

OCPP EXTERNAL MANAGEMENT SYSTEM

Through the Scame Management System it is possible to decide to connect the Master station, with its possible Satellites, to an external management platform via the standard OCPP 1.6JSON communication protocol.
The charging stations connected to an external supervisor will be able to take advantage of the services provided by the platform such as, for example, the billing and station booking operations. Connection to an external platform may require the prior signing of a contract with the same and therefore subscription fees may apply. Scame guarantees compatibility between its charging stations and external management platforms that have been subjected to an OCPP 1.6JSON compatibility test. The list of approved supervisors is available upon request: contact your Scame contact person for more information.



BE-D SERIES

CABLE LENGTH:
4,5m

Rated power	Connectors		Features	Code
	CCS2	CHAdeMO		
25kW	1		MANAGEMENT SYSTEM	**206.D91-E10**
		1	MANAGEMENT SYSTEM	**206.D91-E11**
	1	1	MANAGEMENT SYSTEM	**206.D91-E12**

User access mode to stations: without authentication, with local authentication via user card RIFD or with remote authentication via OCPP Central Station.

ACCESSORIES

Description	Code
PEDESTAL DIRECT FIXING	**208.AP60**
PEDESTAL BRACKETS FIXING	**208.AP61**
FILTER CLOTHS KIT FOR BE-D	**208.AP64**

SERVICES

Description	Code
COMMISSIONING (COMPULSORY)	**209.ST02**

CCS2
standard

CHAdeMO
standard


SCAME
60kW
EV FAST CHARGER

STATIONS

BE-M SERIES

p. 72

Stations in painted sheet steel for fast DC charging

BE-M Series

BE-M is a range of charging stations for the fast charging of electric vehicles in DC direct current up to 150kW.

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 alternating current charging.

A version with a single CCS2 connector and a nominal power of 60kW is also available.

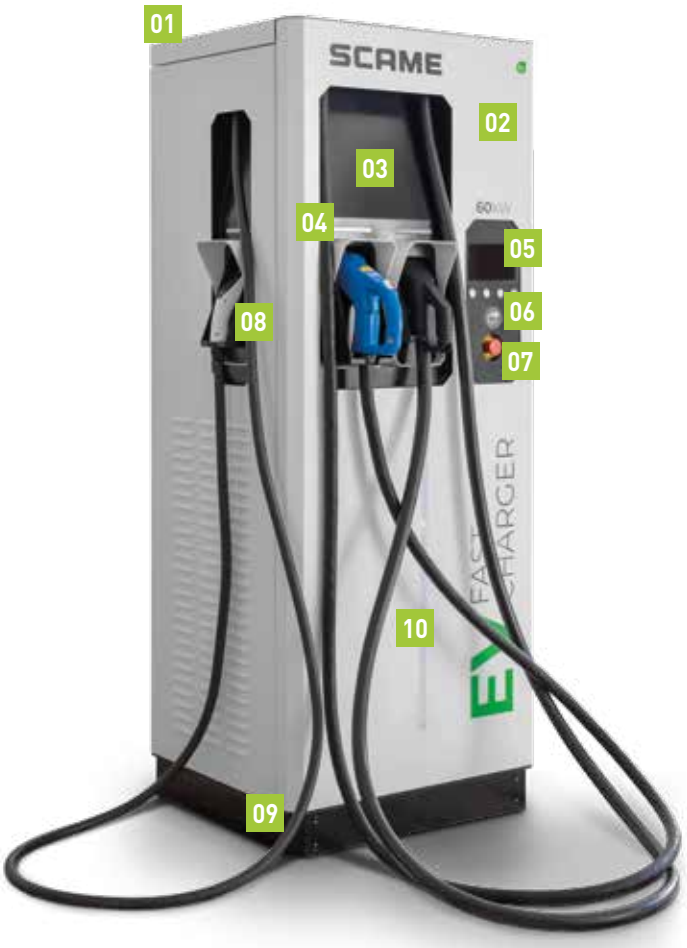
The user interface is guaranteed by a display with integrated ambient light sensor.

BE-M charging stations, equipped with Ethernet–WiFi–2/3/4G connectivity, can be connected to an OCPP backend.

technical sheet **p. 118**

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)

Graphic customization

Wanting to add an identity trait, the BE-M charging stations can be graphically customized according to customer's brand.
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

DC CHARGING STATIONS

Stations

BE-M SERIES

Cable lenght: 3m

Rated power	Connectors			DC simoultaneous charge [1]	Model	Code
	CCS2	CHAdeMO	Tipo 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**

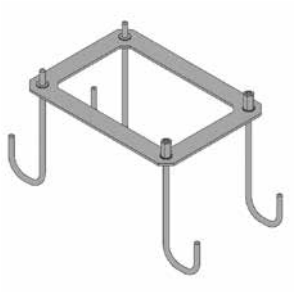
[1] *AC/DC simultaneous charge always supported*

CCS2 standard

CHAdeMO standard

Type 2 standard

ACCESSORIES



Description	Code
ANCHOR PLATE KIT	**208.AP84**

SERVICES

Description	Code
COMMISSIONING (COMPULSORY)	**209.ST03**

SYSTEMS AND SERVICES

MULTI MANAGEMENT SYSTEM

p. 78

Systems for remote monitoring and management of charging stations

Multi Management System

Scame Multi Management System is the proprietary platform for managing and conveying in a single system informations related to a multi-site charging infrastructure, with more than one Master station and made up of both AC and DC charging stations.

The platform communicates via OCPP protocol and is agnostic to the hardware that is connected to it.

The Scame Multi Management System rovides full control of the entire system connected to it and allows for an extensive list of actions and information on individual charging points.

Multi Management System

As the complexity of the system increases, solutions must follow able to simplify the management of the charging infrastructure and facilitate system scalability.
Multi Management System is Scame's proprietary platform which allows you to manage and convey in a single system the information related to a charging infrastructure.

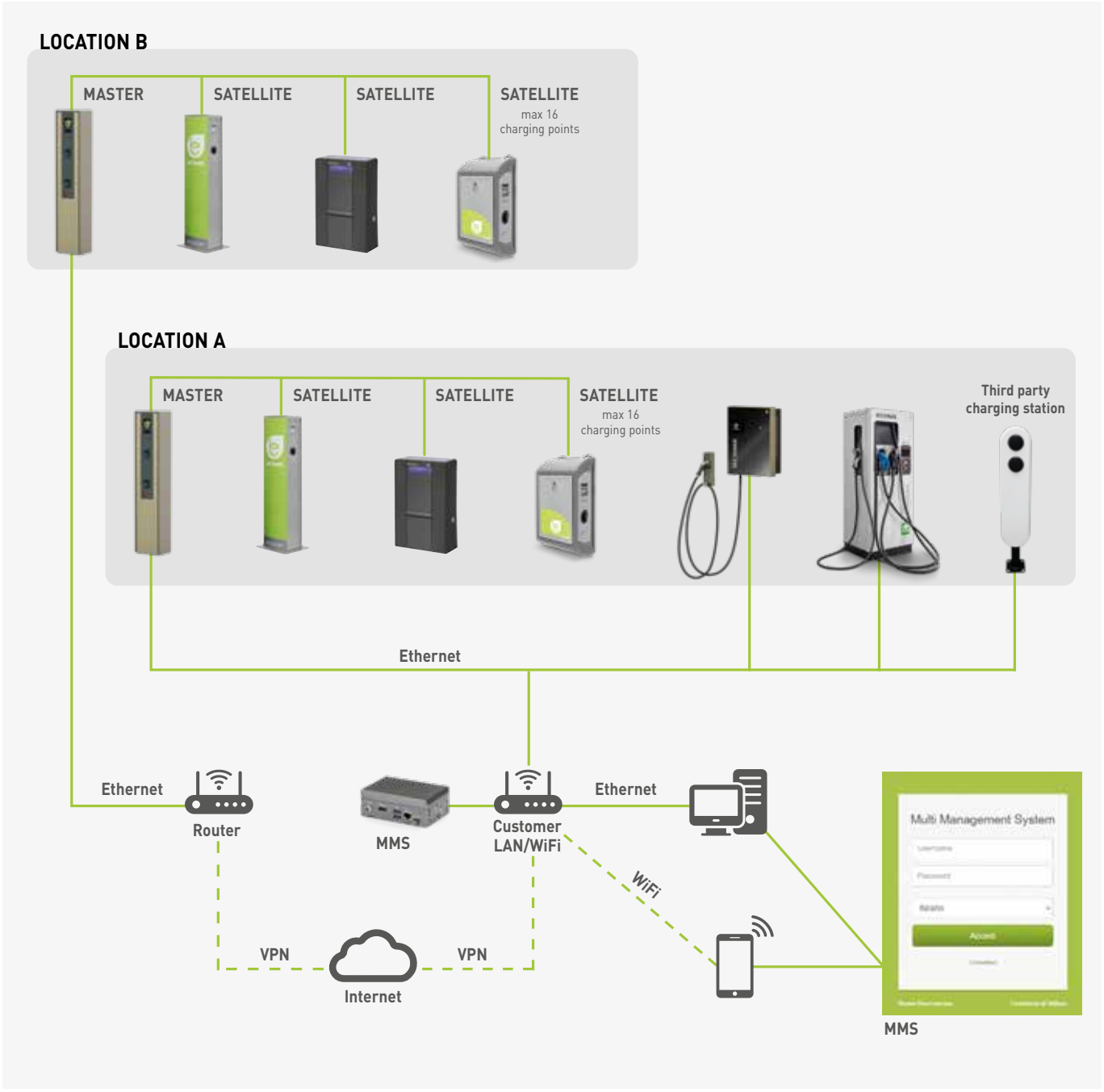
Scame Multi Management System is the ideal solution in those contexts where:
- The system has more than one Master charging station, i.e. PRO versions
- There is a mixed system between recharging stations in alternating current AC and direct current DC
- The system is multi-site, i.e. stations located on different sites of the same organisation
- You want to manage charging stations from different manufacturers*

The Scame Multi Management System is primarily an hardware device that is installed locally.
This release you from subscribing to any subscriptions to third-party E-mobility Service Providers.
The only condition is that the charging stations and the Multi Management System are placed under the same local LAN network, or, if installed in different sites, can be placed in a LAN via VPN. The platform communicates via the OCPP 1.5SOAP or 1.6JSON protocol and is therefore agnostic to the hardware that is connected to it.

To connect Scame charging stations to the Multi Management System platform will be sufficient to configure, within the Management System of the stations, the OCPP connection parameters.
The Scame Multi Management System, depending on the versions, allows you to manage up to 100 charging points through a single user interface accessible from browser. The Scame Multi Management System provides full control of the entire system connected to it and allows a large list of actions and information on individual charging points. Three levels of access are available, each with different degrees of permits.

Among the main features of the Scame Multi Management System they include:
- Information on the status of the charging points and any error messages
- Start/stop charging sessions
- Real-time data of the charging session
- Monitoring of consumption data
- Events monitoring
- Search/filter/download transaction history
- Soft reset of the charging point - Hard reset of the entire system
- User details and card assignment
- Creation of card list (e.g. employees/customers/guests)
- Restriction of the use of specific charging stations only to authorized card list
- Firmware and software update
- Web server

* the brands of charging stations that communicate in OCPP 1.6JSON and that have successfully carried out an integration test with Scame are compatible.



MULTI MANAGEMENT SYSTEM

Description	Code
MAX 10 MASTER MAX 50 CHARGING STATIONS	**208.MM501**
MAX 25 MASTER MAX 100 CHARGING STATIONS	**208.MM502**


ELECTRIC
VEHICLE
PARKING

ACCESSORIES FOR PARKING AREAS

SIGNAGE AND DELIMITATION p. 81
Signage and functional elements for parking areas

ACCESSORIES FOR THE CUSTOMIZATION OF THE CHARGING AREAS

Description	Code
JIG MADE OF GALVANISED METAL SHEET FOR HORIZONTAL SIGNAGE 1000X1000 MM	**208.AP32**

Description	Code
CAN OF SPRAY PAINT FOR HORIZONTAL SIGNAGE, GREEN 500 ML SIZE	**208.AP33**

Description	Code
ALUMINIUM SIGNAL BOARD 400X600 MM	**208.AP34**

Description	Code
GALVANIZED STEEL POLE FOR SIGNAL BOARD Ø 60 MM H=3000 MM	**208.AP35**
IMPACT PROTECTION GUARD Ø 60 MM 1200X500MM	**208.AP31**

SCAME

E-BIKE
CHARGING STATIONS

Versions

SOLO **For standalone applications with free access**	**BUSINESS** **For standalone or multi-station applications (Satellite)**	**PRO** **For multi-station applications (Master)**
A "plug&play" charging experience. Authentication free charging sessions are run in total safety.	In addition to the possibility of operating in a standalone way, either with or without access restriction, a BUSINESS charging station can operate as a Satellite of a Master station. A Master station defines the rules that regulate the access to the group of stations. That is done via Scame's Management System or an OCPP backend to which the Master is connected to.	PRO charging stations are designed to operate as Masters in a Master/Satellite system architecture. Access to a charging session can be restricted, or not, according to the rules defined in the Scame Management System or by the OCPP platform to which the Master station is connected to.
OPERATING MODE		
- FREE	- FREE - PERSONAL - WEB/NET (Satellite)	- WEB/NET (Master)
FUNCTIONALITIES		
	- Dynamic Power Management** - Management System - Satellite - Load Balancing - Satellite	- Dynamic Power Management** - Management System - Master - Load Balancing - Master - Management of up to 16 charging points - OCPP 1.6JSON

* In the models in which it is foreseen
** Accessory for supported models

Operating modes

Scame's AC charging stations are designed for different operating modes, functional to the type of installation, application and use for which they are intended.

The stations intended for standalone installation without the need to be included in a network architecture are available in the following operating modes:

FREE

FREE mode charging stations are the ideal choice for installation in environments that do not require controlled access as use is limited to a few people, usually vehicle owners, or in places where access is already regulated from other systems.
Charging stations in FREE mode cannot be inserted in a Master/Satellite architecture.

Access to charging: Without authentication.

PERSONAL

PERSONAL mode charging stations are suitable for installation in all places requiring controlled access as use is not limited exclusively to vehicle owners, but extends to a greater number of users, or in cases where access to charging stations should be monitored and regulated.
Charging stations in PERSONAL mode cannot be inserted in a Master/Satellite architecture.

Access to charging: With local authentication via app or RFID.

The stations intended to be inserted in a network architecture, managed via Scame Management System or via an external E-Mobility Service Provider (EMSP) via OCPP protocol, are available only in the following operating mode:

WEB/NET

WEB/NET mode chargin stations are the definitive solution in all those cases in which the system must be monitored and managed remotely.
WEB/NET mode charging stations are distinguished between Master and Satellite. The Master stations have incorporated the Scame Management System.
The Satellite stations are controlled by the Master, access to recharging can be with or without authorization according to the rules defined by the network manager in the Scame Management System or in the OCPP platform.
A Master/Satellite architecture can include up to 16 charging points.

Access to charging: With or without authorization based on the rules defined on the Scame Management System or on the OCPP platform.

Management System

Scame's charging stations can be monitored and managed remotely via the proprietary Management System or they can be connected to an external management platform via the standard OCPP 1.6JSON communication protocol.

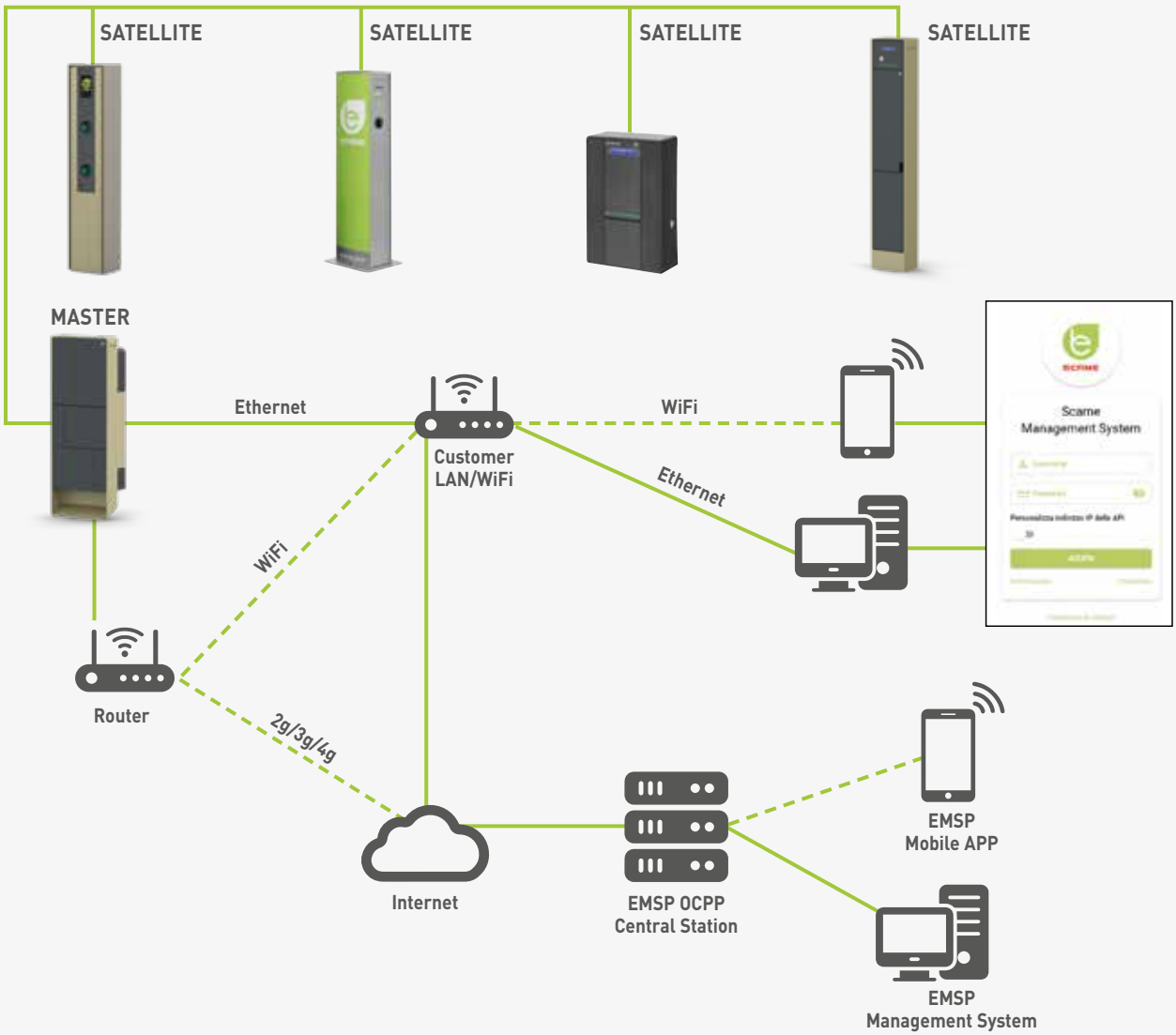
SCAME LOCAL MANAGEMENT SYSTEM

Scame charging stations can be monitored and managed remotely through the proprietary Management System.
The software does not require subscriptions and manages from 1 to 16 charging points when organized in a Master/Satellite system architecture.
The Scame Management System must be configured in the local network and does not require any installation of additional software as access takes place with credentials via LAN IP address.
The Scame Management System provides full control of the system and allows for an extensive list of actions and information such as:

- Management of access modes to the charging point (with or without authorization)
- Management of the list of authorized users and any limitations (time or number of accesses)
- Information on the status of the charging points and any error messages
- Start/stop/pause/resume charging sessions
- Real-time data of the charging session
- Monitoring of consumption data
- Search/filter/download transaction history
- Limitation of the current available at the recharging point
- Load Balancing
- Soft reset of the charging point - Hard reset of the entire system
- Firmware and software update
- Web server
- Configuration of links to external platforms via OCPP 1.6JSON

OCPP EXTERNAL MANAGEMENT SYSTEM

Through the Scame Management System it is possible to decide to connect the Master station, with its possible Satellites, to an external management platform via the standard OCPP 1.6JSON communication protocol.
The charging stations connected to an external supervisor will be able to take advantage of the services provided by the platform such as, for example, the billing and station booking operations. Connection to an external platform may require the prior signing of a contract with the same and therefore subscription fees may apply.
Scame guarantees compatibility between its charging stations and external management platforms that have been subjected to an OCPP 1.6JSON compatibility test. The list of approved supervisors is available upon request: contact your Scame contact person for more information.


SATELLITE
SATELLITE
SATELLITE
SATELLITE
MASTER
Ethernet
Customer
LAN/WiFi
WiFi
Ethernet
Scame
Management System
WiFi
Router
2g/3g/4g
Internet
EMSP OCPP
Central Station
EMSP
Mobile APP
EMSP
Management System

E-BIKE CHARGING STATIONS

Pillars

PILLARS

BE-K SERIES

p. 90

Pillars in powder-coated aluminum with integrated battery compartment

BE-K Series

BE-K is a range of e-bike charging stations equipped with domestic standard socket outlets frontally positioned

The sockets compartment protected by a door with key lock or electromagnetic lock with release via RFID, is functional to house the battery charger and, in the specific versions, also the bycicle battery during the charging phase.

Available with free or controlled access, BE-K Series charging stations can, depending on the versions, also be managed via Scame Management System or be connected to an OCPP backend.

Made of powder coated-aluminium are characterized by their sturdiness as well as by the clean and essential lines by Trussardi+Belloni Design.

technical sheet **p. 120**

Technical information

Main characteristics PERSONAL and WEB/NET mode

01 LCD display

02 Charging status LED indicator

03 Domestic standard socket outlets

04 Internal base in stainless steel to prevent condensation from contact with the ground

05 Powder-coated aluminium structure

06 Possibility of graphic customization with the client's logo (on demand)

07 Sockets compartment equipped with magnetic lock (key lock only for SOLO versions)

08 Double bike holder available as an accessory

Graphic customization

The BE-K charging station can be graphically customized by printing the client's logo on the font sockets compartment door and on the rear panel.
To order the personalized product, simply add to the order the code **209.CU01-K** for the personalization of the front door only or **209.CU02-K** for the personalization of the front door and the rear panel, at the same time attaching a file in vector format containing the data necessary for the graphic creation.

N.B. Scame reserves the right not to accept graphic proposals that are deemed inappropriate.

Application examples

E-BIKE CHARGING STATIONS

Pillars

SOLO

Mode:
FREE

Rated power	Socket outlet	Display	Access	Energy Meter	Protections	Dimensions (mm)	Compartment dimensions (mm)	Code
2x3,7Kw	2X PLURISTANDARD P40	-	FREE	-	RCBO	135x135x902	88x119x224	**205.KA09-K**
						200x135x1202	88x184x565	**205.KC09-K**

BUSINESS

Mode:
FREE
PERSONAL
WEB/NET (Satellite)

Rated power	Socket outlet	Display	Access	Energy Meter	Protections	Dimensions (mm)	Compartment dimensions (mm)	Code
2x3,7Kw	2X GERMAN STANDARD	LCD	RFID	STANDARD	RCBO	200x135x1202	88x184x397	**205.KB30-K**
						200x135x1352	88x184x547	**205.KD30-K**

PRO

Mode:
WEB/NET (Master)

Rated power	Socket outlet	Display	Access	Energy Meter	Protections	Dimensions (mm)	Compartment dimensions (mm)	Code
2x3,7Kw	2X GERMAN STANDARD	LCD	RFID	STANDARD	RCBO	200x135x1202	88x184x397	**205.KB50-K**
						200x135x1352	88x184x547	**205.KD50-K**

German standard 2P+E 16A

P40 pluristandard 2P+E 16A

ACCESSORIES

Description	Code
DOUBLE BIKE HOLDER	**208.AP82**
ANCHOR PLATE KIT	**208.AP83**

Description	Code
SCAME BRANDED USER CARD	**208.CARD**
UNBRANDED USER CARD (WHITE)	**208.CARD-W**
USER CARD PROGRAMMER	**208.PROG2**

Description	Code
ETH-WIFI-2/3/4G ROUTER PRE-CONFIGURED FOR CONNECTION TO THE LOCAL SERVER (TECHNICAL ASSISTANCE EXCLUDED) (SIM DATA, DATA TRAFFIC, VPN SERVICE, IF ANY, EXCLUDED)	**208.ROUTER**

E-BIKE CHARGING STATIONS

Distribution boards

DISTRIBUTION BOARDS

UB[E-BIKE] SERIES

p. 96

Charging stations in thermoplastic material with front charging points

UB[E-BIKE] Series

UB[E-BIKE] is a range of surface mounting e-bike charging stations equipped quipped with domestic standard socket outlets IP66 with plug insterted or domestic standard socket outlet with electrical or mechanical interlock.

Available with free or controlled access, UB[E-BIKE] stations can, depending on the versions, also be managed via the Scame Management System or be connected to an OCPP backend.

made of thermoplastic material and characterized by high resistance to UV rays and an high degree of protection from dust and water.

Specific supports allow them to be installed on the ground.

technical sheet **p. 122**

Technical information

Main characteristics

01 Terminal block housing possibility

02 Window equipped with triangular key (Yale key on request)

03 Enclosure in halogen-free thermoplastic material

04 Versions available with domestic socket outlets IP66 with plug inserted, IP54 with electric interlock or IP66 with plug inserted and mechanical interlock

05 Blank sides with drilling point marks

06 Spacious enclosure to increase dissipating power and cabling space

07 Availability of specific supports for wall or ground installation

SOLO - DISTRIBUTION ASSEMBLIES WITH IP56 OMNIAPLUS INTERLOCKED SOCKET OUTLETS

Rated power	Socket outlet	Access	Protections	Padlockable	Code
1x3,7 kW	1x GERMAN	FREE	RCBO	YES	**204.UB11M-UN**
	1x SWISS T23	FREE	RCBO	YES	**204.UB11M-CH**
	1x PLURISTANDARD P40	FREE	RCBO	YES	**204.UB11M-P4**
2x3,7 kW	2x GERMAN	FREE	RCBO	YES	**204.UB21M-UN**
	2x SWISS T23	FREE	RCBO	YES	**204.UB21M-CH**
	2x PLURISTANDARD P40	FREE	RCBO	YES	**204.UB21M-P4**

Mode:
FREE

SOLO - DISTRIBUTION ASSEMBLIES WITH IP66 DOMOPLUS SOCKET OUTLETS

Rated power	Socket outlet	Access	Protections	Padlockable	Code
4x3,7 kW	4x PLURISTANDARD P40	FREE	RCBO	NO	**204.UB41S-EB**

Mode:
FREE

German standard 2P+E 16A

P40 pluristandard 2P+E 16A

Swiss standard 2P+E 10A 2P+E 16A

E-BIKE CHARGING STATIONS

Distribution boards

BUSINESS - DISTRIBUTION ASSEMBLIES WITH LIBERA ELECTRICAL INTERLOCKED SOCKET OUTLETS

Mode:
FREE
PERSONAL
WEB/NET (Satellite)

Rated power	Socket outlet	Access	Energy meter	Protections	Code
1x3,7 kW	1x GERMAN	RFID	STANDARD	RCBO	**204.UB11B-EB**
2x3,7 kW	2x GERMAN	RFID	STANDARD	RCBO	**204.UB21B-EB**

PRO - DISTRIBUTION ASSEMBLIES WITH LIBERA ELECTRICAL INTERLOCKED SOCKET OUTLETS

Mode:
WEB/NET (Master)

Rated power	Socket outlet	Access	Energy meter	Connectivity	Protections	Code
1x3,7 kW	1x GERMAN	RFID	STANDARD	ETHERNET	RCBO	**204.UB11B-EBA**
2x3,7 kW	2x GERMAN	RFID	STANDARD	ETHERNET	RCBO	**204.UB21B-EBA**

German standard 2P+T 16A

ACCESSORIES>>POLE INSTALLATION

Description	Code
METAL POLE MADE OF GALVANISED STEEL Ø 80 MM H=1250 MM	**654.0650**
PLATE WITH PROTECTION ROOF FOR DISTRIBUTION ASSEMBLIES WITH LIBERA ELECTRICAL INTERLOCKED SOCKET OUTLET	**654.0654**
PLATE WITH PROTECTION ROOF FOR DISTRIBUTION ASSEMBLIES WITH DOMOPLUS SOCKET OUTLET	**654.0662**
PLATE WITH PROTECTION ROOF FOR DISTRIBUTION ASSEMBLIES WITH 1 OMNIAPLUS SOCKET OUTLET	**654.0661**
PLATE WITH PROTECTION ROOF FOR DISTRIBUTION ASSEMBLIES WITH 2 OMNIAPLUS SOCKET OUTLETS	**654.0653**

ACCESSORIES

Description	Code
SCAME BRANDED USER CARD	**208.CARD**
UNBRANDED USER CARD (WHITE)	**208.CARD-W**
USER CARD PROGRAMMER	**208.PROG2**

Description	Code
ETH-WIFI-2/3/4G ROUTER PRE-CONFIGURED FOR CONNECTION TO THE LOCAL SERVER (TECHNICAL ASSISTANCE EXCLUDED) (SIM DATA, DATA TRAFFIC, VPN SERVICE, IF ANY, EXCLUDED)	**208.ROUTER**

German standard 2P+T 16A

CHARGING CABLES

CHARGING CABLES

LIBERA[CS] SERIES

p. 104

Cables for AC charging of electric vehicles

LIBERA[CS] Series

LIBERA[CS] is a range of charging cables for electric vehicles recharging in AC alternating current up to 22kW, equipped with plugs and connectors in different standards.

Available with linear or spiral cable, they are characterized by the highly ergonomic handle of the connectors, customizable by laser etching, emphasized by the rubber inserts which ensure an always secure grips.

The efficiency of the connections over time is guaranteed by the silver contacts.

technical sheet **p. 124**

Technical information

Main characteristics

The logo is created using an exclusive laser technology.
This technology allows to customize the logo on the connector even for minimum batches.
Is is also possibile to customize the color of the handle. For more information contact your SCAME contact person.

- 01 Expanded polyurethane cable 5 or 7.5m long or spiral cable of 4m maximum length
- 02 Crimped terminals
- 03 Rubber protective cover
- 04 Silver plated contacts to ensure high electical performances
- 05 Silver plated pins to ensure high electical performances
- 06 Contact carrier in high impact and high temperature resistant thermoplastic material
- 07 Epoxy resin internal filling for the highest safety
- 08 Rubber inserts to ensure the best grip
- 09 Handle in high impact resistance thermoplastic material
- 10 Possibility of graphic customization with client's logo (on demand)

LINEAR CHARGING CABLES

Rated power	Charging station side	Electric vehicle side	Cable characteristics	Cable length	Code
3,7 kW			3 x 2,5 mm² + 1 x 0,5 mm²	5m	201.CS2111-5
				7,5m	201.CS2111-8
			3 x 2,5 mm² + 1 x 0,5 mm²	5m	201.CS2121-5
				7,5m	201.CS2121-8
			3 x 2,5 mm² + 1 x 0,5 mm²	5m	201.CSA111-5
				7,5m	201.CSA111-8
			3 x 2,5 mm² + 1 x 0,5 mm²	5m	201.CSA121-5
				7,5m	201.CSA121-8
			3 x 2,5 mm² + 1 x 0,5 mm²	5m	201.CSA1A1-5
				7,5m	201.CSA1A1-8
7,4 kW			3 x 6 mm² + 1 x 0,5 mm²	5m	201.CS2313-5
				7,5m	201.CS2313-8
			3 x 6 mm² + 1 x 0,5 mm²	5m	201.CS2323-5
				7,5m	201.CS2323-8
11 kW			5 x 2,5 mm² + 1 x 0,5 mm²	5m	201.CS2222-5
				7,5m	201.CS2222-8
22 kW			5 x 6 mm² + 1 x 0,5 mm²	5m	201.CS2424-5
				7,5m	201.CS2424-8
			5 x 6 mm² + 1 x 0,5 mm²	5m	201.CSC424-5
				7,5m	201.CSC424-8

SPIRAL CHARGING CABLE

Rated power	Charging station side	Electric vehicle side	Cable characteristics	Cable length	Code
3,7 kW			3 x 2,5 mm² + 1 x 0,5 mm²	4m (maximum length)	201.CS2121-4S
7,4 kW			3 x 6 mm² + 1 x 0,5 mm²	4m (maximum length)	201.CS2323-4S
11 kW			5 x 2,5 mm² + 1 x 0,5 mm²	4m (maximum length)	201.CS2222-4S
22 kW			5 x 6 mm² + 1 x 0,5 mm²	4m (maximum length)	201.CS2424-4S

Type 1 Type 2 Type 3A Tipo 3C

INFORMATION

INDEX TECHNICAL INFORMATION

AC CHARGING STATIONS

DC CHARGING STATIONS

E-BIKE CHARGING STATIONS

CHARGING CABLES

AC CHARGING STATIONS

VERSIONS

BUSINESS
- socket outlets

PRO
- socket outlets

STANDARD EQUIPMENT

- Adjustable rated current
- DC Leakage detection
- Save unlock - in case of power outage unlatches the locking mechanism allowing to unplug the charging cable from the socket outlet

USER INTERFACE AND SYSTEM CONTROL

User interface:	**LCD**
Connectivity:	**Ethernet** **Ethernet/WiFi/2G/3G/4G**
User authentication:	**Without authentication** **RFID authentication** **Central station authorization**
Communication protocol:	**OCPP 1.6JSON**

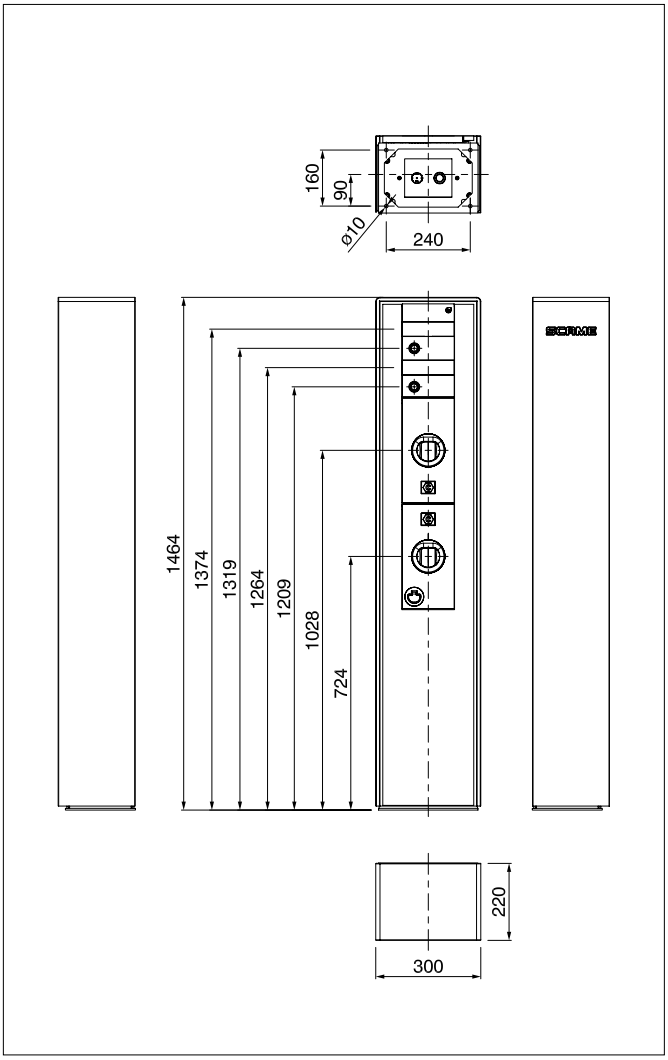
REFERENCE STANDARDS

EN IEC 61851-1

IEC 61439-7

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A-63A**
Rated voltage:	**230Vac-400Vac**
Frequency:	**50/60Hz**
Protection degree:	**IP54**
Installation temperature:	**-30°C +50°C**
Material:	**Powder- coated steel**
Impact resistance (IK degree):	**IK10**
Installation:	**Floor standing**
Saline solution:	**Resistant**
UV rays:	**Resistant**



AC CHARGING STATIONS

REFERENCE STANDARDS

EN IEC 61851-1

IEC 61439-7

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A-63A**
Rated voltage:	**230Vac-400Vac**
Frequency:	**50/60Hz**
Protection degree:	**IP54**
Installation temperature:	**-30°C +50°C**
Material:	**Powder- coated steel**
Impact resistance (IK degree):	**IK10**
Installation:	**Floor standing**
Saline solution:	**Resistant**
UV rays:	**Resistant**

VERSIONS

BUSINESS
- socket outlets
- tethered

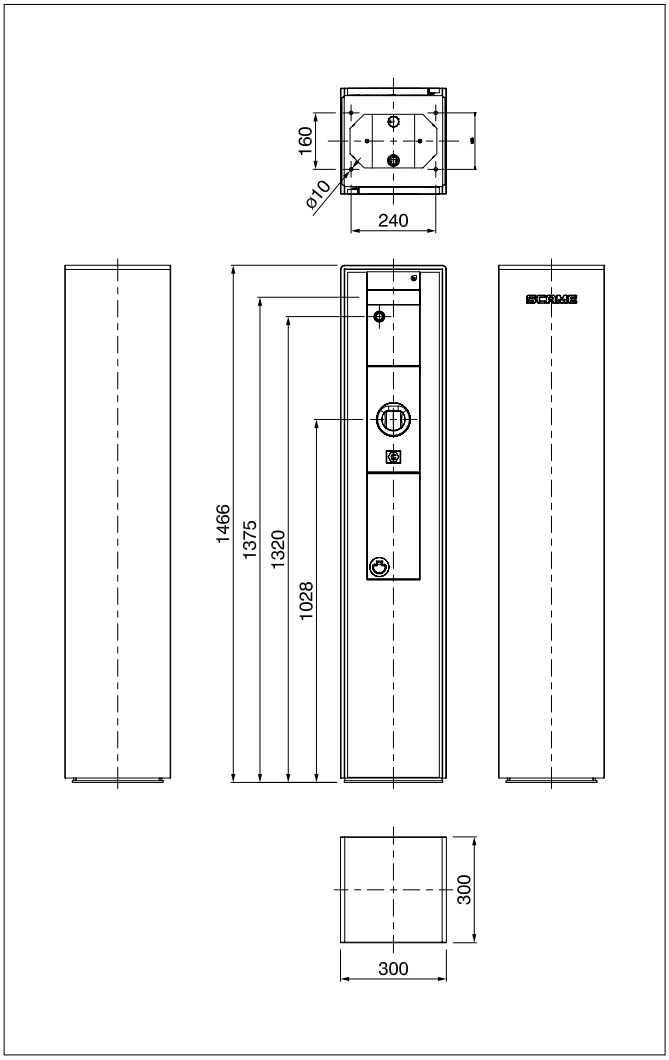
PRO
- socket outlets
- tethered

STANDARD EQUIPMENT

- Adjustable rated current
- DC Leakage detection
- Save unlock - in case of power outage unlatches the locking mechanism allowing to unplug the charging cable from the socket outlet

USER INTERFACE AND SYSTEM CONTROL

User interface:	**LCD**
Connectivity:	**Ethernet** **Ethernet/WiFi/2G/3G/4G**
User authentication:	**Without authentication** **RFID authentication** **Central station authorization**
Communication protocol:	**OCPP 1.6JSON**



AC CHARGING STATIONS

REFERENCE STANDARDS

EN IEC 61851-1

EN 61439-7

VERSIONS

LITE
- socket outlet
- tethered

BUSINESS
- socket outlet
- tethered

PRO
- socket outlet
- tethered

TECHNICAL CHARACTERISTICS

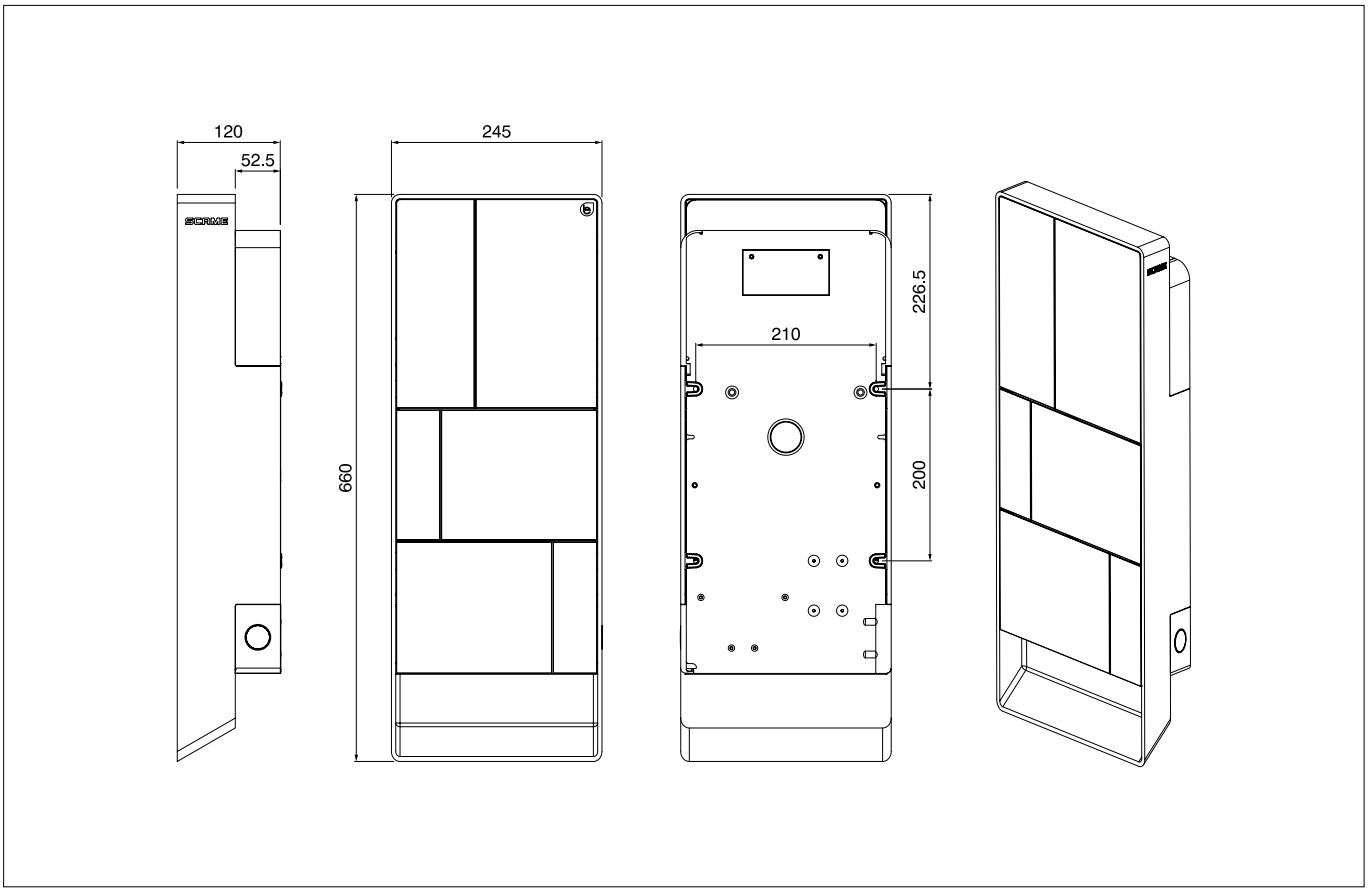
Rated current:	**32A**
Rated voltage:	**230Vac-400Vac**
Frequency:	**50-60Hz**
Protection degree:	**IP54**
Installation temperature:	**-30°C +50°C**
Material:	**Thermoplastic/Aluminum**
Self extinguishing degree (GWT):	**650°C**
Impact resistance (IK degree):	**IK09**
Installation:	**Surface mounting**
Saline solution:	**Resistant**
UV rays:	**Resistant**

USER INTERFACE AND SYSTEM CONTROL

User interface:	**APP** **LCD**
Connectivity:	**WiFi** **Ethernet** **Ethernet/WiFi/2G/3G/4G**
User authentication:	**Without authentication** **APP authentication** **RFID authentication** **Central station authorization**
Communication protocol:	**OCPP 1.6JSON**

STANDARD EQUIPMENT

- Adjustable rated current
- DC Leakage detection
- Save unlock - in case of power outage unlatches the locking mechanism allowing to unplug the charging cable from the socket outlet
- Remote enable contact


120
52.5
245
660
210
226.5
200

AC CHARGING STATIONS

VERSIONS

LITE
- socket outlet
- tethered

BUSINESS
- socket outlet
- tethered

PRO
- socket outlet
- tethered

REFERENCE STANDARDS

EN IEC 61851-1

IEC 61439-7

TECHNICAL CHARACTERISTICS

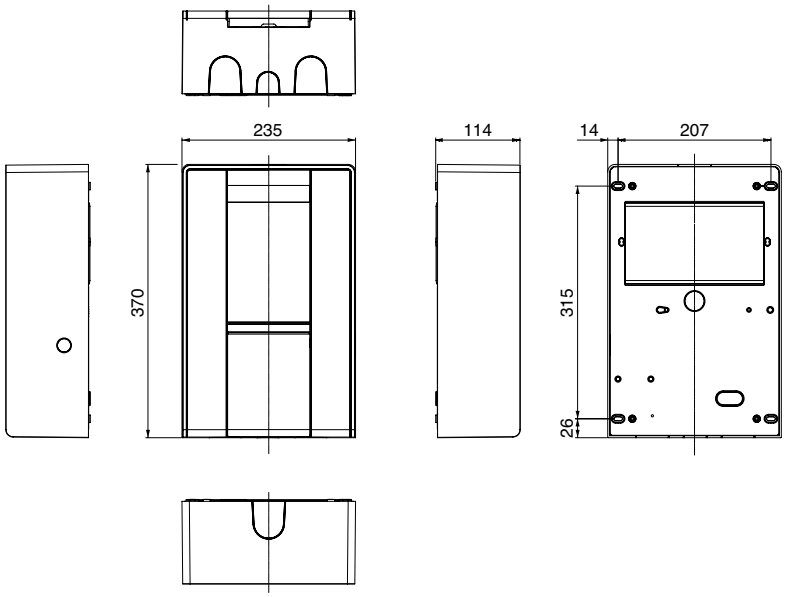
Rated current:	**16A-32A**
Rated voltage:	**230Vac-400Vac**
Frequency:	**50/60Hz**
Protection degree:	**IP55**
Installation temperature:	**-30°C +50°C**
Material:	**Thermoplastic**
Self extinguishing degree (GWT):	**650°C**
Impact resistance (IK degree):	**IK08**
Installation:	**Surface mounting**
Saline solution:	**Resistant**
UV rays:	**Resistant**

STANDARD EQUIPMENT

- Adjustable rated current
- DC Leakage detection
- Save unlock - in case of power outage unlatches the locking mechanism allowing to unplug the charging cable from the socket outlet
- Remote enable contact

USER INTERFACE AND SYSTEM CONTROL

User interface:	**APP** **LCD**
Connectivity:	**WiFi** **Ethernet** **Ethernet/WiFi/2G/3G/4G**
User authentication:	**Without authentication** **APP authentication** **RFID authentication** **Central station authorization**
Communication protocol:	**OCPP 1.6JSON**



AC CHARGING STATIONS

VERSIONS

BUSINESS
- socket outlets
- tethered

PRO
- socket outlets
- tethered

STANDARD EQUIPMENT

- Adjustable rated current
- DC Leakage detection
- Save unlock - in case of power outage unlatches the locking mechanism allowing to unplug the charging cable from the socket outlet

USER INTERFACE AND SYSTEM CONTROL

User interface:	**LCD**
Connectivity:	**Ethernet** **Ethernet/WiFi/2G/3G/4G**
User authentication:	**Without authentication** **RFID authentication** **Central station authorization**
Communication protocol:	**OCPP 1.6JSON**

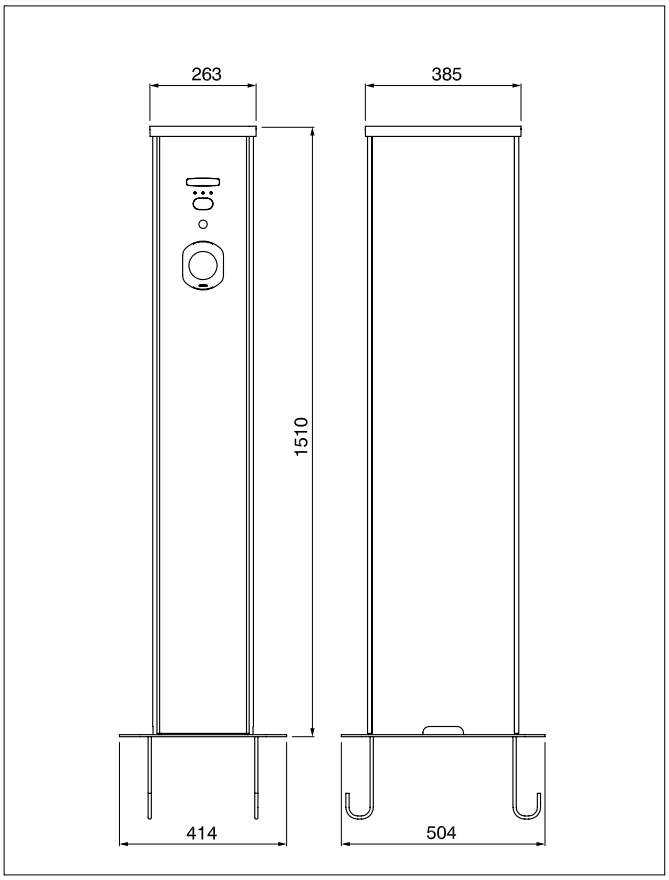
REFERENCE STANDARDS

EN IEC 61851-1

IEC 61439-7

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A-50A-63A**
Rated voltage:	**230Vac-400Vac**
Frequency:	**50/60Hz**
Protection degree:	**IP54**
Installation temperature:	**-30°C +50°C**
Material:	**Steel sheet**
Impact resistance (IK degree):	**IK10**
Installation:	**Floor standing**
Saline solution:	**Resistant**
UV rays:	**Resistant**



AC CHARGING STATIONS

VERSIONS

BUSINESS
- socket outlets

PRO
- socket outlets

STANDARD EQUIPMENT

- Adjustable rated current
- DC Leakage detection
- Save unlock - in case of power outage unlatches the locking mechanism allowing to unplug the charging cable from the socket outlet

USER INTERFACE AND SYSTEM CONTROL

User interface:	**LCD**
Connectivity:	**Ethernet** **Ethernet/WiFi/2G/3G/4G**
User authentication:	**Without authentication** **RFID authentication** **Central station authorization**
Communication protocol:	**OCPP 1.6JSON**

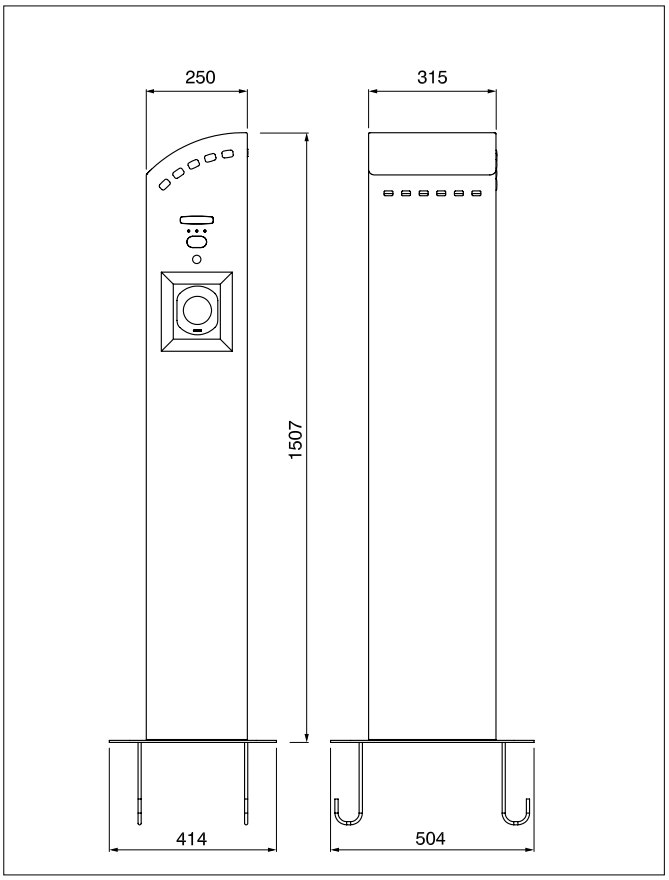
REFERENCE STANDARDS

EN IEC 61851-1

IEC 61439-7

TECHNICAL CHARACTERISTICS

Rated current:	**32A-63A**
Rated voltage:	**400Vac**
Frequency:	**50/60Hz**
Protection degree:	**IP54**
Installation temperature:	**-30°C +50°C**
Material:	**Stainless steel AISI 316**
Impact resistance (IK degree):	**IK10**
Installation:	**Floor standing**
Saline solution:	**Resistant**
UV rays:	**Resistant**



AC CHARGING STATIONS

VERSIONS

BUSINESS
- socket outlets
- tethered

PRO
- socket outlets
- tethered

STANDARD EQUIPMENT

- Adjustable rated current
- DC Leakage detection
- Save unlock - in case of power outage unlatches the locking mechanism allowing to unplug the charging cable from the socket outlet

USER INTERFACE AND SYSTEM CONTROL

User interface:	**LCD**
Connectivity:	**Ethernet** **Ethernet/WiFi/2G/3G/4G**
User authentication:	**Without authentication** **RFID authentication** **Central station authorization**
Communication protocol:	**OCPP 1.6JSON**

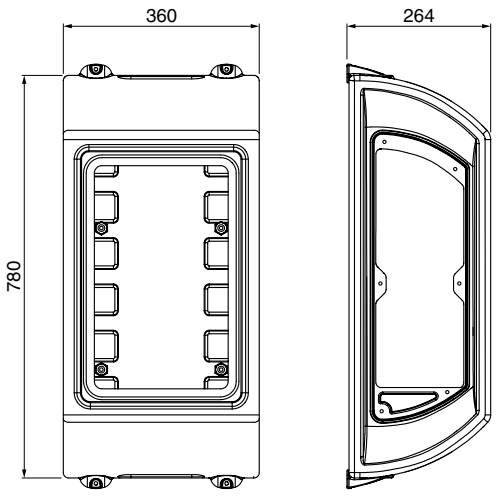
REFERENCE STANDARDS

EN IEC 61851-1

IEC 61439-7

TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A-50A-63A**
Rated voltage:	**230Vac-400Vac**
Frequency:	**50/60Hz**
Insulating voltage:	**250V-500V**
Protection degree:	**IP54**
Installation temperature:	**-30°C +50°C**
Material:	**Thermoplastic**
Self extinguishing degree (GWT):	**650°C**
Impact resistance (IK degree):	**IK10**
Installation:	**Surface mounting**
Saline solution:	**Resistant**
UV rays:	**Resistant**



DC CHARGING STATIONS

REFERENCE STANDARDS

IEC/EN 61851-1

IEC/EN 61439-7

VERSIONS

1 connector

2 connectors

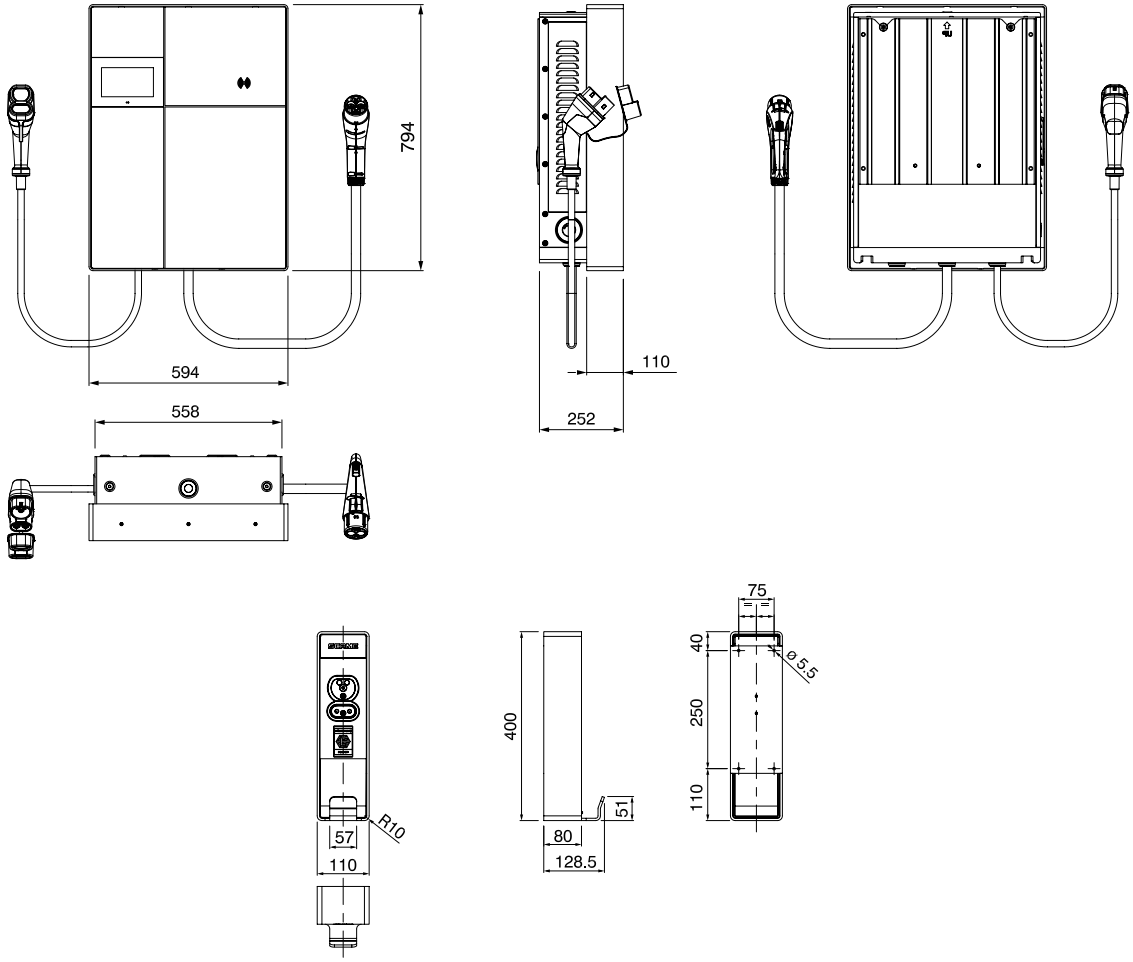
USER INTERFACE AND SYSTEM CONTROL

User interface:	**7" TFT touch screen display with adjustable backlight motion and ambient light sensors**
Connectivity:	**Ethernet Ethernet/WiFi/2G/3G/4G**
User authentication:	**Without authentication RFID authentication Central station authorization**
Communication protocol:	**OCPP 1.6JSON**

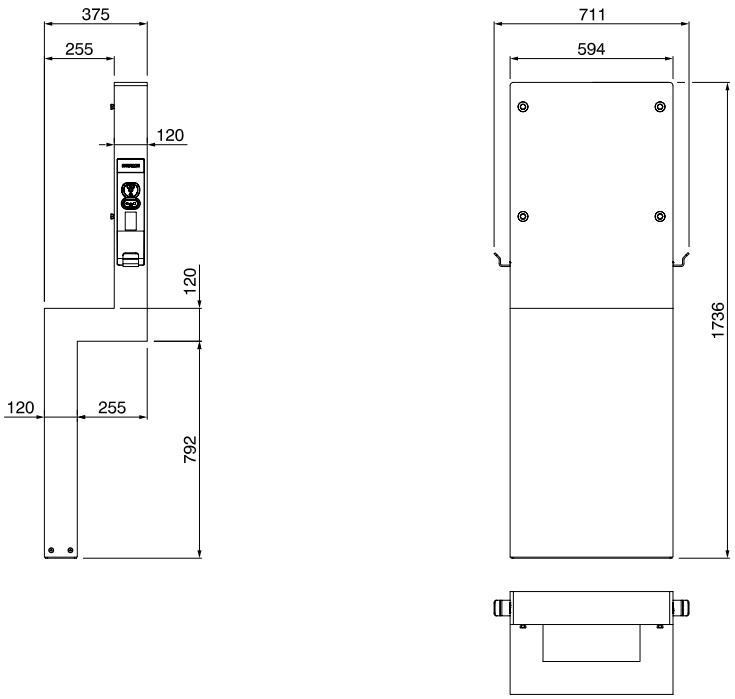
TECHNICAL CHARACTERISTICS

AC input power connection:	**3P+N+PE**
Supply voltage:	**400Vac +/- 10%**
AC power supply:	**Nominal 27kW 40A - Peak 27kW 40A**
Frequency:	**50/60Hz**
Efficiency:	**94% at rated power**
Power meter:	**Class B MID (Energy meter 3P+N 63A Modbus MID)**
Output power:	**Peak 25kW - Continuous 25kW**
Output voltage:	**CCS2 150Vdc - 1000Vdc Chademo 150Vdc - 500Vdc**
Output current:	**Max 60Adc**
Number of DC outputs:	**Max 2 connectors**
Standards of DC connectors:	**CCS2, CHAdeMO**
Number of AC outputs:	**N/A**
Standards of AC connectors:	**N/A**
Cable length:	**4,5m**
Number of simultaneous charging sessions:	**DC single charging**
Protection degree:	**IP54**
Impact resistance rating (according to IEC 62262):	**IK10**
Cooling system:	**Forced air**
Operating ambient temperature:	**-30°C +45°C (from 45°C with derating)**
Storage temperature:	**-30°C +60°C**
Operating altitude:	**2500m max**
Humidity:	**5% ÷ 95% non condensating**
Acustic noise:	**<55 dB in all directions**
Material:	**Thermoplastic (Halogen Free) Powder-coated aluminium**
Weight:	**Approximately 70kg excluding the cables**
Installation:	**Surface mounting**
Pedestal:	**Optional**
Emergency pushbutton:	**Yes**

Code 206.D91-E10
206.D91-E11
206.D91-E12



Code 208.AP60
208.AP61



DC FAST CHARGING STATIONS

REFERENCE STANDARDS

IEC/EN 61851-1

IEC/EN 61439-7

VERSIONS

DC connectors

DC+AC connectors

USER INTERFACE AND SYSTEM CONTROL

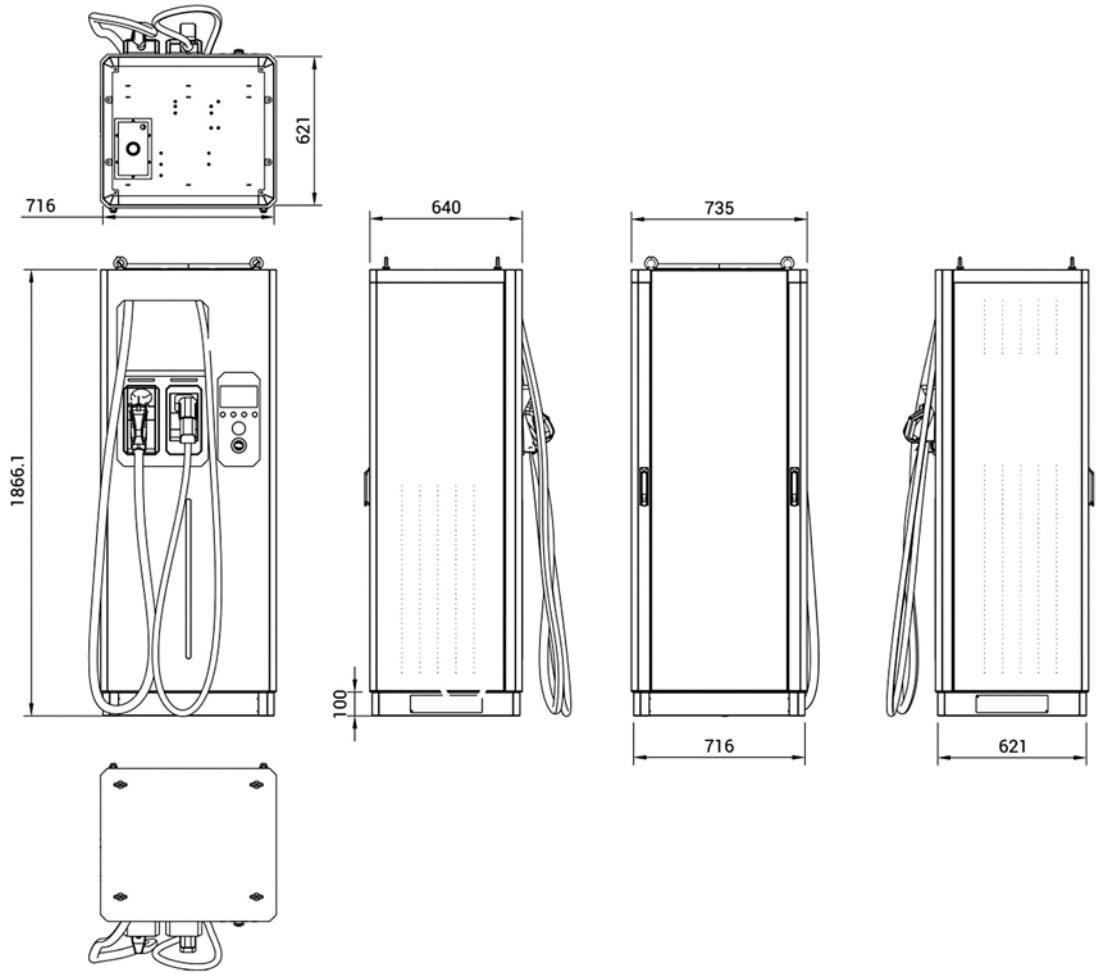
User interface:	**7" LCD display, push buttons for commands**
Connectivity:	**Ethernet Ethernet/WiFi/2G/3G/4G**
User authentication:	**Without authentication RFID authentication Central station authorization**
Communication Protocol:	**OCPP 1.6JSON**

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**
Installation:	**Floor standing**
Emergency pushbutton:	**Yes**

ELECTRICAL CHARACTERISTICS

Model	BE-M60H	BE-M90H	BE-M120H	BE-M150H
Rated power	**60kW**	**90kW**	**120kW**	**150kW**
Input power				
Rated voltage	400Vac ± 10%, 3P+N+PE, 50/60Hz			
AC current (DC/DC+AC)	92A/156A	138A/202A	184A/248A	230A/294A
Power (DC/DC+AC)	63kVA/106kVA	95kVA/138kVA	127kVA/170kVA	158kVA/201kVA
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 CCS2	150A	200A	200A	200A
DC max current CHAdeMO	125A	125A	125A	125A
DC max power CCS2 at 400V	60kW	80kW	80kW	80kW
Simultaneous charging sessions CCS2+CCS2	30+30kW	60+30kW	60+60kW	90+60kW



E-BIKE CHARGING STATIONS

REFERENCE STANDARDS

EN 61439-3

VERSIONS

STANDALONE mode

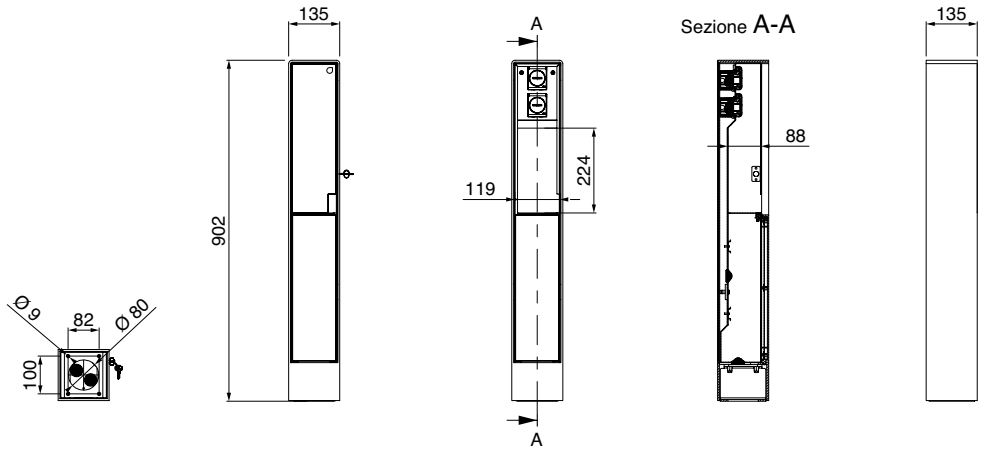
PERSONAL mode

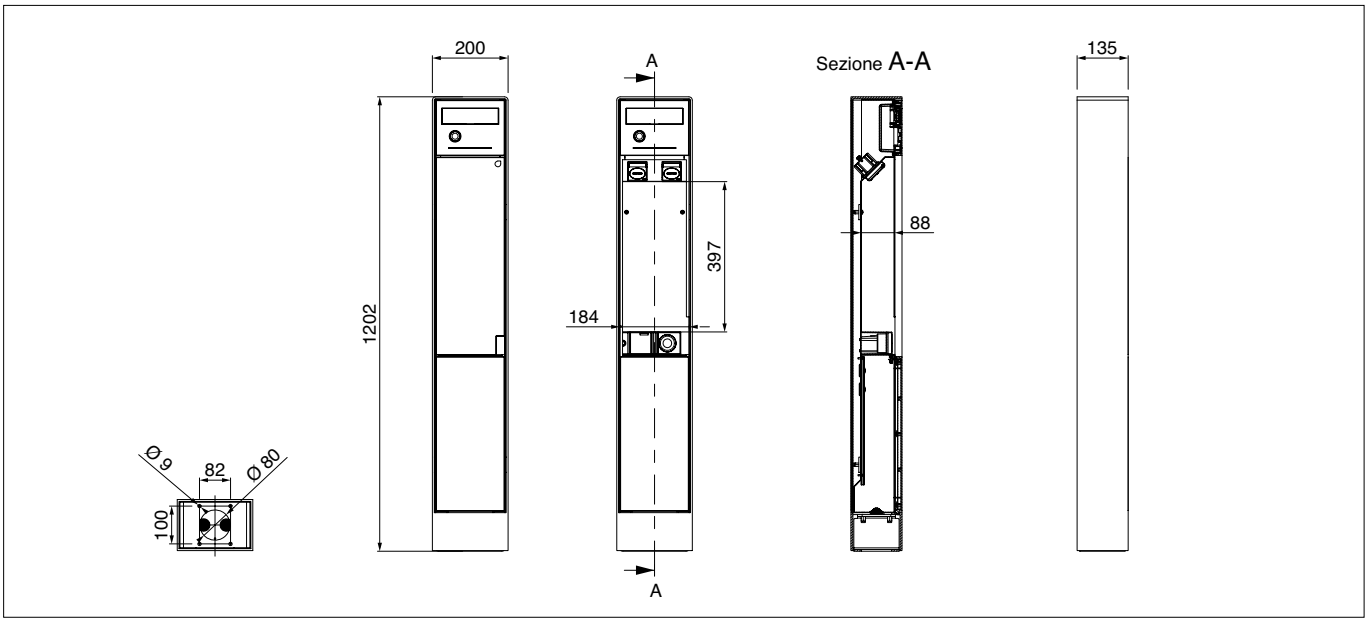
WEB/NET mode

TECHNICAL CHARACTERISTICS

Rated current:	**16A**
Rated voltage:	**230Vac**
Frequency:	**50/60Hz**
Protection degree	**IP54**
Installation temperature:	**-30°C +50°C**
Material:	**Aluminium**
Impact resistance (IK degree):	**IK10**
Installation:	**Floor standing**
Salt mist:	**Resistant**
UV radiation:	**Resistant**

Code 205.KA09-K




200
A
Sezione A-A
135
1202
397
184
88
Ø 9
82
Ø 80
100
A

E-BIKE CHARGING STATIONS

VERSIONS

SOLO

BUSINESS

PRO

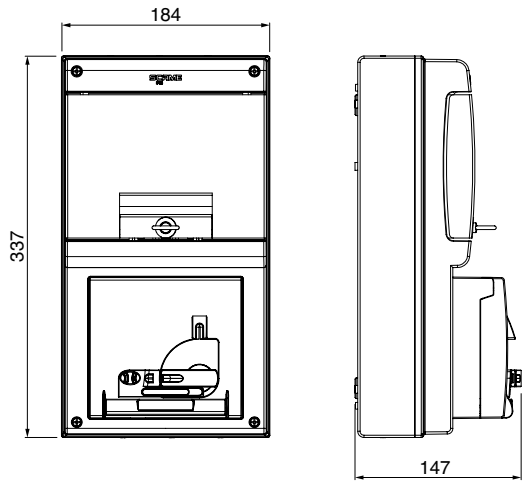
REFERENCE STANDARDS

EN 61439-3

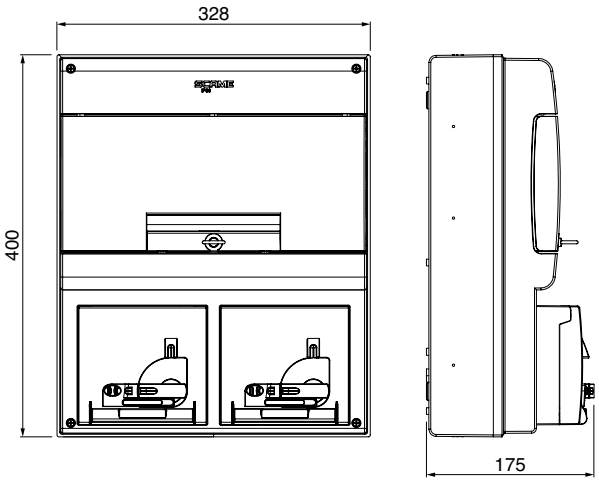
TECHNICAL CHARACTERISTICS

Rated current:	**16A-32A**
Rated voltage:	**230Vac-400Vac**
Frequency:	**50/60Hz**
Protection degree:	**IP54 (UB-LIBERA)** **IP56 (UB-OMNIAPLUS)** **IP66 (UB-DOMOPLUS)**
Installation temperature:	**-25°C +40°C**
Material:	**Thermoplastic**
Self extinguishing degree (GWT):	**650°C**
Impact resistance (IK degree):	**IK07 (UB-DOMOPLUS UB-LIBERA)** **IK08 (UB-OMNIAPLUS)**
Installation:	**Surface mounting**
Saline solution:	**Resistant**
UV rays:	**Resistant**

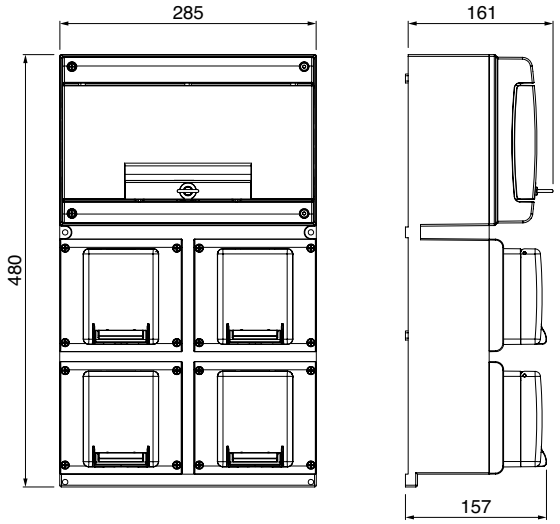
Code 204.UB11M



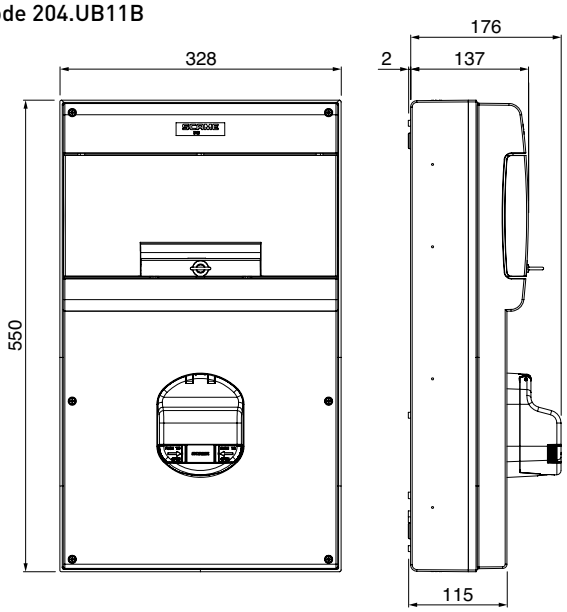
Code 204.UB21M



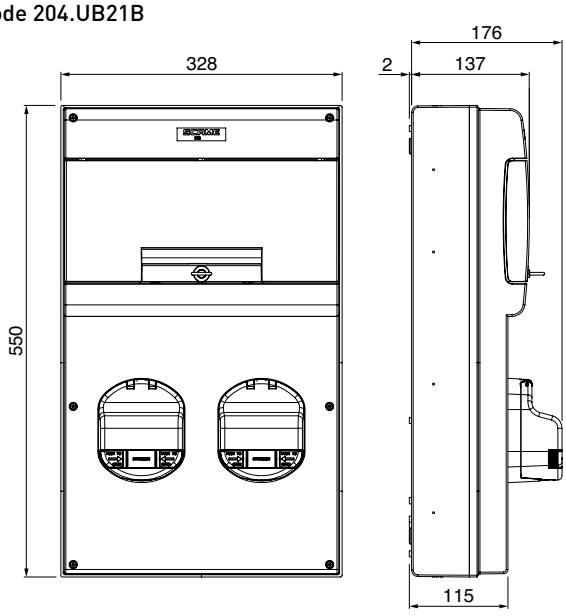
Code 204.UB41S



Code 204.UB11B



Code 204.UB21B



CHARGING CABLES

REFERENCE STANDARDS

EN 62196-1

EN 62196-1

EN 62196-1

MARKINGS AND DIRECTIVES

QUALITY MARKS

VERSIONS

Linear charging cables

Spiral charging cable

TECHNICAL CHARACTERISTICS

Rated current:	**20A - 32A**
Rated voltage:	**200Vac - 250Vac** **380Vac - 480Vac**
Frequency:	**50/60Hz**
Protection degree:	**IP44**
Installation temperature:	**-30°C +50°C**
Material:	**Thermoplastic**
Self extinguishing degree (GWT):	**650°C (elastomeric parts)** **850°C**
Saline solution:	**Resistant**
UV rays:	**Resistant**

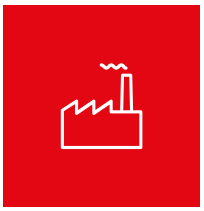
CABLE TECHNICAL CHARACTERISTICS

Rated voltage:	**450Vac - 750Vac**
Insulation/Sheath	**PUR**
Max temperature:	**+90°C**

INDEX BY PRODUCT NUMBER

SCAME: A COMPLETE OFFER

General catalogue is not limited to this volume, but also includes:



INDUSTRY - INSTALLATION - DOMESTIC CATALOGUE

SCAME offers a very complete range of highly performing systems and components for the distribution of energy in the tertiary, building construcion and industrial sectors, even heavy-duty ones. It is accompanied by a rich range of accessories for the creation of a state-of-the-art electrical system. The whole is completed by products for domestics, among which the watertight modular series for fixed installation should be highlighted.

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