E-MOBILITY

CHARGING STATIONS AND CABLES

SCAME

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CHARGING STATIONS AND CABLES

SCAME
electrical solutions

www.scame.com

CHARGING STATIONS AND CABLES

Starting from an isolated nail, a product as simple as the winning idea that generated it, an over fifty-year history of continuous research and development, has generated a proposal made up of more than 20,000 products designed to cover every need and installation environment. This publication intends to propose a summary of the SCAME offer for e-mobility, a sector in which it has been a protagonist since 1999, so to make the choices in terms of charging stations and cables easier according to your specific needs. The overall SCAME offer is available on the web at www.scame.com and e-mobility.scame.com for further information focused on charging systems for electric vehicles.

PRODUCTS CATALOGUE

The Company

*"In over **fifty years** we have built an **industrial reality** that has always maintained the spirit of its **origins**."*

Stefano Scainelli CEO

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 17 branches 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 El Papiol (Barcelona)

SCAME INDIA
India Mumbai

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

SCAME POLSKA
Poland Zawierce (Katowice)

SCAME PORTUGAL
Portugal Oporto

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)

THE CONCEPT OF QUALITY IS AN INTEGRAL PART
OF OUR CULTURE IN ALL ASPECTS AND
EVERY ACTIVITY OF OUR WORK.

SCAME
electrical solutions

CSQ ISO 9001 CSQ ISO 14001 CSQ ISO 45001 IQNet CERTIFIED MANAGEMENT SYSTEM

M O D E

Scame charging stations are available in three different operating modes: FREE, PERSONAL and WEB/NET.

The stations can be connected to each other and organized in a Master/Satellite architecture that can be managed either via Scame's proprietary Management System or connected to an external E-mobility Service Provider.

F R E E

FREE mode charging stations are the ideal choice for installation in environments that don't require controlled access insofar as use is normally limited to just a few people, usually the owners of the vehicle, or places where access is already regulated by other systems. Charging session is freely accessed.

FREE mode charging stations can act as a Satellite in a Master/Satellite architecture.

Operating mode: Free (default)

Satellite (when connected in a Master-Satellite architecture)

Embedded features: Management System (*)

Load Balancing (*) OCCP 1.6JSON(*)

(*)only available when acting as Satellite in a Master-Satellite configuration in which the Master has activated these features

P E R S O N A L

PERSONAL mode charging stations are suitable for installation in all places requiring controlled access insofar as use is not normally limited exclusively to the owners of the vehicle, but rather extends to a greater number of users, or in cases where access to the charging stations needs to be monitored and regulated.

PERSONAL mode charging stations can act as a Satellite in a Master/Satellite architecture.

Operating mode: Free Personal (default)

Satellite (when connected in a Master-Satellite architecture)

Embedded features: Management System(*)

Load Balancing (*) OCCP 1.6JSON(*)

(*)only available when acting as Satellite in a Master-Satellite configuration in which the Master has activated these features

W E B / N E T

WEB/NET mode charging stations are the ultimate choice in all those cases where the system must be monitored and managed remotely.

All WEB/NET stations have embedded Scame's proprietary Management System and can act as a Master in a Master/Satellite architecture.

A Master station can manage up to 16 charging points.

Operating mode: Web/Net (default)

Master (when connected in a Master-Satellite architecture)

Embedded features: Management System
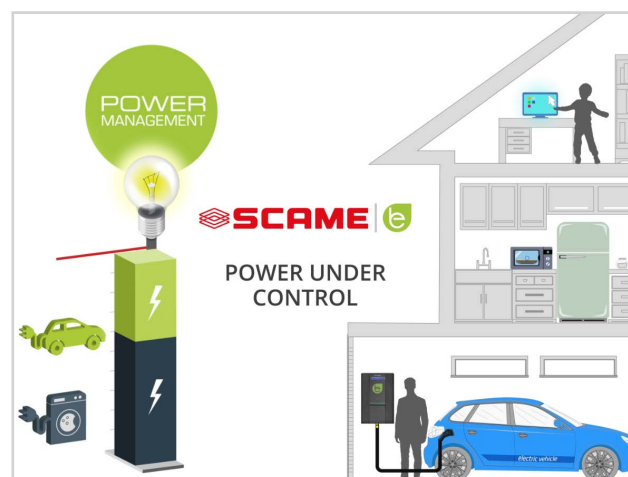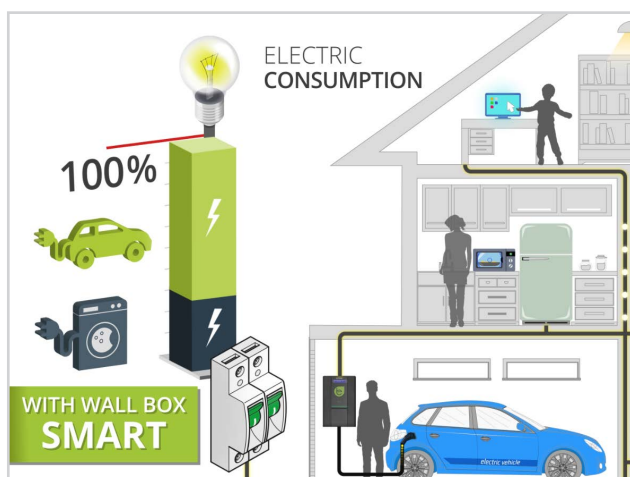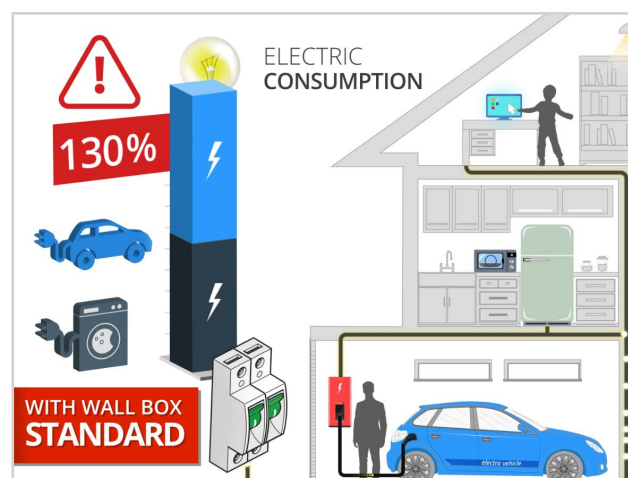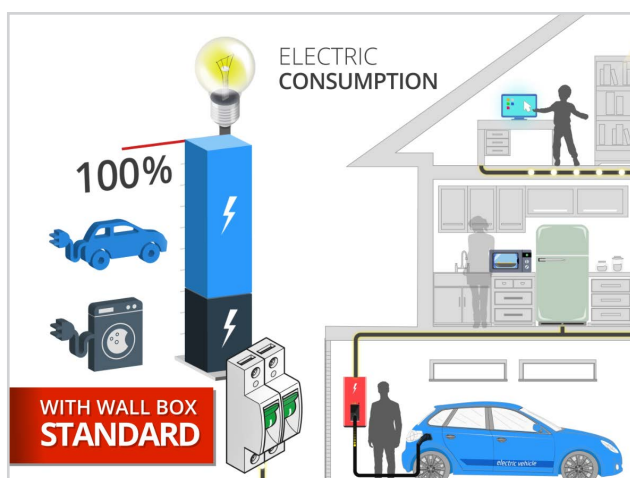
OCCP 1.6JSON

Optional features: Load Balancing

to be activated during ordering phase via P/N 209.LB01

F E A T U R E S

Scame's range of charging stations can be scaled up with additional features and functionalities intended to maximizing the system's flexibility.

POWER MANAGEMENT

The POWER MANAGEMENT Feature is a must have option in residential installations in which there is limited available power. In such cases, starting a charging session of an electric vehicle while other electrical appliances are running (such as a washing machine) may result in a power outage due to exceeding the contractual power. The Power Management smart feature allows your wall-box to dynamically modulate the current destined to your electric vehicle based on the instantaneous consumption of all domestic appliances, avoiding power outage. The Power Management smart feature will also keep into consideration the current generated by solar panels.

ELECTRIC CONSUMPTION

100%

WITH WALL BOX STANDARD

ELECTRIC CONSUMPTION

130%

WITH WALL BOX STANDARD

ELECTRIC CONSUMPTION

100%

WITH WALL BOX SMART

POWER MANAGEMENT

SCAME | e

POWER UNDER CONTROL
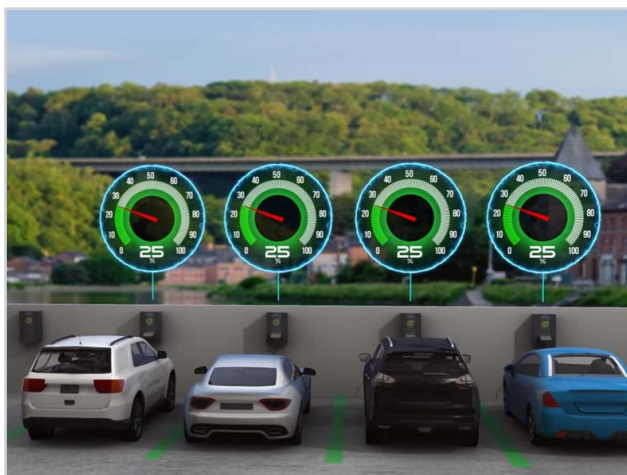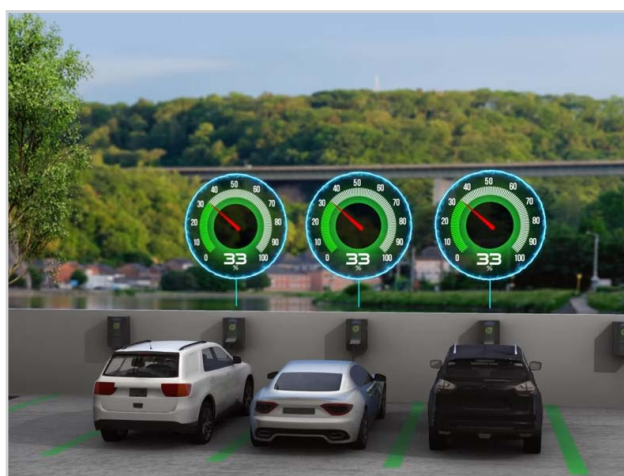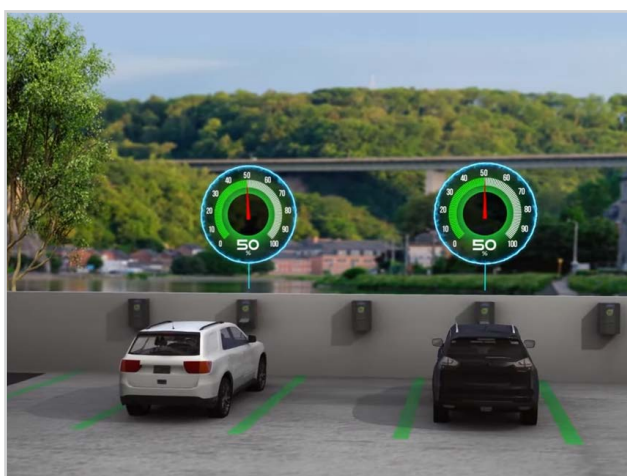
F E A T U R E S

LOAD BALANCING

Scame's Load Balancing system proves essential in cases where there are multiple charging points, but not enough power to feed all of them simultaneously at their maximum rated power.

By activating this feature, an option will be available in Scame's Management system and it will be possible to allocate a maximum total current threshold for a Master-Satellite system architecture.

In case the charging stations exceed this limit, the Master station will democratically balance the power output of the entire system architecture allowing all vehicles to keep recharging but at a lower current value.

Scame Load Balancing feature can be active even if the charging stations are managed by an external E-mobility Service Provider.

FEATURES

MANAGEMENT SYSTEM

Scame Charging stations can be monitored and managed remotely either via the Scame Management System or they can be connected to an external E-mobility Service Provider.

Scame charging stations can be connected to each other in a Master-Satellite system architecture in which a Master controls up to 16 charging points.

SCAME LOCAL MANAGEMENT SYSTEM

Scame charging stations can be monitored and managed remotely via the Scame proprietary Management System(MS). The proprietary software is embedded in all Web-Net mode charging stations, is free to use and allows to manage up to 16 charging points connected under the same Master/Satellite architecture.

Scame MS must be configured in a local area network, does not require any additional software installation and can be managed directly by the administrator who can access the Management System with credentials via the LAN IP address.

Scame MS provides full control and allows a comprehensive set of actions and information on the system such as charging point status, live charging session data, management of authorized users list, data consumption monitoring, search/filter/download all transactions, Start/Stop/Resume transactions, limit available power per socket outlet, reboot the system, update firmware and much more.

Information relayed to the Management System depends on the charging stations' equipment.

To make the most of Scame MS, we suggest that all Master/Satellite stations be equipped with a Digital Energy Meter and RFID card reader.

OCPP EXTERNAL MANAGEMENT SYSTEM

Scame management system allows to connect the Master station to an external E-mobility Service Provider (EMSP) via OCPP 1.6Json standard communication protocol.

In this case the stations will be managed by the external EMSP and may allow further services such as billing operations and station booking.

Connecting the stations to an external management system may require you to sign a contract with the EMSP and yearly subscription fees may apply.

Scame guarantees the compatibility between it's charging stations and external E-mobility Service Providers that have undergone an OCPP 1.6Json compatibility test. The list of approved EMSP is available upon request: Contact your Scame representative for more information.
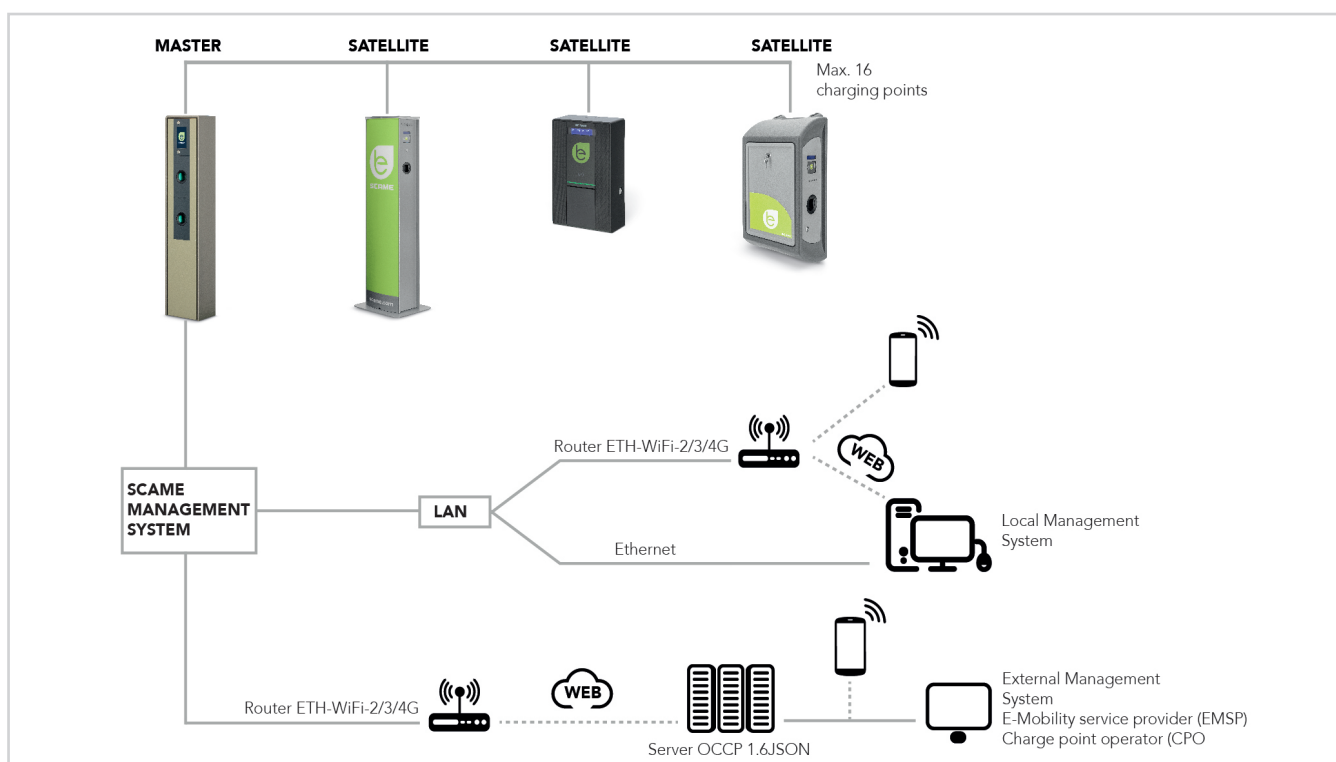
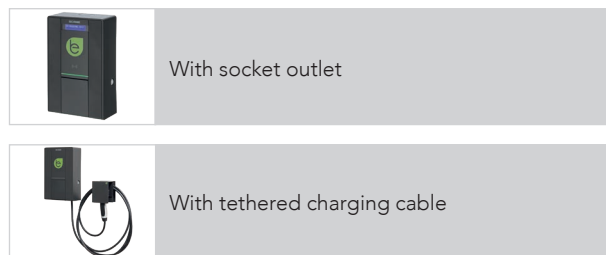BE-W is a range of AC wall mounting charging stations with power from 3,7 to 22 kW.

They can be equipped with a Type 3A or Type 2 socket outlet with safety "Shutters" for increased protection. Tethered charging cable versions are also available.

They are ideal both in domestic applications, especially when coupled with the Power Management feature, and in public areas as they can be configured in different operating modes. Take full control of the charging stations via the Scame proprietary Management System, or connect them to an external E-mobility service provider via OCPP communication protocol.

Made of halogen-free technopolymer, they are characterized by the Dual Feel Sensitive finish. The clean and essential lines are designed by acclaimed italian Trussardi + Belloni Design.

REFERENCE STANDARDS

EN 61851-1 (3rd ed.)

EN 61439-7

TECHNICAL CHARACTERISTICS

Rated current:	16A-32A
Rated voltage:	230Vac-400Vac
Frequency:	50/60Hz
Insulation voltage:	250V-500V
Protection degree:	IP54
Active parts protection:	IPXXD
Installation temperature:	-30°C +50°C
Material:	Thermoplastic
Glow Wire test:	650°C
IK degree at 20°C:	IK08
Colour:	Anthracite
Installation:	Wall-mounted
Saline solution:	Resistant
UV rays:	Resistant

VERSIONS

With socket outlet

With tethered charging cable

MAIN FUNCTIONALITIES AND ELEMENTS

- LED Status Indicator
- LCD Display
- Adjustable Current: from 6 to 32A (32A - default)
- DC Leakage detection - allows to fit an upstream RCD Type A protection (verify local regulations)
- Save unlock - in case of power outage unlatches the locking mechanism allowing to unplug the charging cable from the socket outlet (N/A on tethered versions)

DISTINCTIVE ELEMENTS

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. T2S, simply safer.

LED STATUS INDICATOR
An LED light will indicate the wallbox status making the overall charging experience very intuitive.

FREE MODE - WALL BOX WITH ONE TYPE 2 SOCKET OUTLET WITH SHUTTERS (T2S)

Power	Socket outlet	Display	Protections	Features	Code
7 kW	1xT2S	LCD			**205.W18-B0**
		LCD		Power Management	**205.W23-B0**
		LCD	RCBO		**205.W16-B0**
22 kW		LCD			**205.W18-D0**
		LCD		Power Management	**205.W23-D0**

Further versions available on request

FREE MODE - WALL BOX WITH ONE TYPE 2 TETHERED CHARGING CABLE

Power	Connector	Display	Protections	Features	Code
7 kW	1xT2 4m cable	LCD			**205.W18-S0**
		LCD		Power Management	**205.W23-S0**
		LCD	RCBO		**205.W16-S0**
22 kW		LCD			**205.W18-S0**
		LCD		Power Management	**205.W23-S0**
	1xT2 7,5m cable	LCD			**205.W18-U08**

Further versions available on request

PERSONAL MODE - WALL BOX WITH ONE TYPE 2 SOCKET OUTLET WITH SHUTTERS (T2S)

Power	Socket outlet	Access	Digital Energy Meter	Protections	Features	Code
7 kW		RFID				**205.W35-B0**
		RFID	Standard			**205.W36-B0**
		RFID	MID			**205.W37-B0**
		RFID	Standard	RCBO		**205.W32-B0**
	1xT2S	RFID	Standard		Power Management	**205.W38-B0**
		RFID				**205.W35-D0**
22 kW		RFID	Standard			**205.W36-D0**
		RFID	MID			**205.W37-D0**
		RFID	Standard		Power Management	**205.W38-D0**

Further versions available on request

PERSONAL MODE - WALL BOX WITH ONE TYPE 2 TETHERED CHARGING CABLE

Power	Connector	Access	Digital Energy Meter	Protections	Features	Code
7 kW		RFID				**205.W35-S0**
		RFID	Standard			**205.W36-S0**
		RFID	MID			**205.W37-S0**
		RFID	Standard	RCBO		**205.W32-S0**
	1xT2	RFID	Standard		Power Management	**205.W38-S0**
	4m cable	RFID				**205.W35-U0**
		RFID	Standard			**205.W36-U0**
22 kW		RFID	MID			**205.W37-U0**
		RFID	Standard		Power Management	**205.W38-U0**
	1xT2 7,5m cable	RFID	Standard			**205.W36-U08**

Further versions available on request

WEB/NET MODE - WALL BOX WITH ONE TYPE 2 SOCKET OUTLET WITH SHUTTERS (T2S)

Power	Socket outlet	Access	Digital Energy Meter	Connectivity	Features	Code
7 kW		RFID	MID	Ethernet		**205.W74-B0**
		RFID	MID	ETH-WiFi-2/3/4G		**205.W85-B0**
		RFID	MID	Ethernet	Power Management	**205.W78-B0**
	1xT2S	RFID	MID	ETH-WiFi-2/3/4G	Power Management	**205.W86-B0**
		RFID	MID	Ethernet		**205.W74-D0**
22 kW		RFID	MID	ETH-WiFi-2/3/4G		**205.W85-D0**
		RFID	MID	Ethernet	Power Management	**205.W78-D0**
		RFID	MID	ETH-WiFi-2/3/4G	Power Management	**205.W86-D0**

Further versions available on request

WEB/NET MODE - WALL BOX WITH ONE TYPE 2 TETHERED CHARGING CABLE

Power	Connector	Access	Digital Energy Meter	Connectivity	Features	Code
7 kW		RFID	MID	Ethernet		**205.W74-S0**
		RFID	MID	ETH-WiFi-2/3/4G		**205.W85-S0**
		RFID	MID	Ethernet	Power Management	**205.W78-S0**
	1xT2 4m cable	RFID	MID	ETH-WiFi-2/3/4G	Power Management	**205.W86-S0**
		RFID	MID	Ethernet		**205.W74-U0**
22 kW		RFID	MID	ETH-WiFi-2/3/4G		**205.W85-U0**
		RFID	MID	Ethernet	Power Management	**205.W78-U0**
		RFID	MID	ETH-WiFi-2/3/4G	Power Management	**205.W86-U0**
	1xT2 7,5m cable	RFID	Standard	Ethernet		**205.W73-U08**

Further versions available on request

BE-W SERIES - ACCESSORIES

| Description	Code
Mounting plate for BE-W Wall Box range can be fixed upon wall or on any pedestal range for BE-W	**208.AP24**
Standing pedestal Kit for BE-W socket outlet version includes 1x single pedestal, 1x mounting plate, 1x direct fixing support	**208.AP42**
Standing pedestal Kit for BE-W socket outlet version includes 1x single pedestal, 1x mounting plate, 1x bracket fixing support	**208.AP43**
Standing pedestal Kit for BE-W socket outlet version includes 1x double pedestal, 2x mounting plates, 1x direct fixing support	**208.AP44**
Standing pedestal Kit for BE-W socket outlet version includes 1x double pedestal, 2x mounting plates, 1x bracket fixing support	**208.AP45**
Standing pedestal Kit for BE-W tethered version includes 1x single pedestal, 1x mounting plate, 1x direct fixing support	**208.AP46**
Standing pedestal Kit for BE-W tethered version includes 1x single pedestal, 1x mounting plate, 1x bracket fixing support	**208.AP47**
Standing pedestal Kit for BE-W tethered version includes 1x double pedestal, 2x mounting plates, 1x direct fixing support	**208.AP48**
Standing pedestal Kit for BE-W tethered version - includes 1x double pedestal, 2x mounting plates, 1x bracket fixing support	**208.AP49**
Pole mounting/ fixing Ø 80 mm over plate BE-W Wall Box	**208.AP25**
Pole mounting/ fixing Ø 140 mm over plate BE-W Wall Box	**208.AP25L**
Pole mounting/ fixing Ø 80 mm over plate BE-W Wall Box with cable support hook	**208.AP26**
Metal pole made of galvanised steel for Wall Box (WB) Ø 80 mm h=1250mm	**208.AP11**

BE-W SERIES SPARE PARTS KIT

Description	Code
Single pedestal for BE-W socket outlet version	**208.AP13**
Double pedestal for BE-W socket outlet version	**208.AP14**
Single pedestal for BE-W tethered cable version	**208.AP17**
Double pedestal for BE-W tethered cable version	**208.AP18**
Support for BE-W standing pedestal range - direct fixing	**208.AP15**
Support for BE-W standing pedestal range - bracket fixing	**208.AP16**
Cable support with connector wholster (already provided in BE-W tethered versions)	**208.AP41**

CUSTOMIZATIONS

The Wall Box BE-W can be graphically customized by modifying the part between the display and the signaling LED. To have the customization it is necessary to add the code **209.CU01-W** to the order and at the same time attach 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.
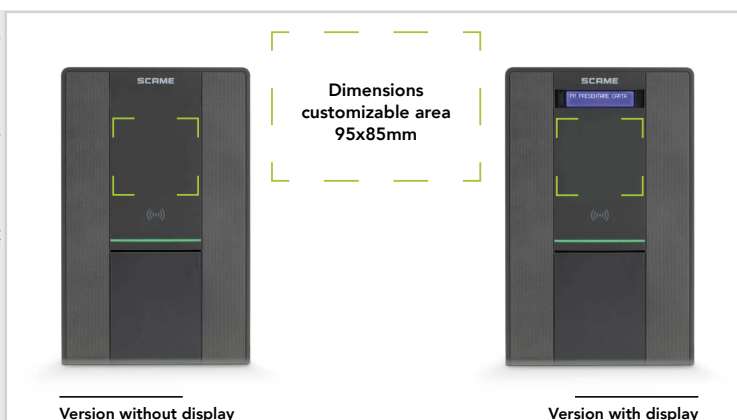
Dimensions customizable area 95x85mm

Version without display

Version with display

CHARGING STATIONS
WD

WD is a range of AC wall mounting charging stations made of high strength thermoplastic and painted sheet steel with powers ranging from 3,7 to 44 kW.

It is available in a tethered charging cable version or it can be equipped with up to two socket outlets, either Type 3A and/or Type 2.

The Scame patented IPXXD Type 2 socket outlets with shutters fitted in the WD range are coupled with the Scame One Hand Vandal Proof System flange which allows for safer and easier charging operations as well as improving accessibility to a wider range of users.

WD series can be set up in a Master/Satellite network and can be managed with Scame's proprietary Management System. Alternatively it may be connected to an external E-mobility Service Provider via OCPP making it the ideal choice for public applications.

REFERENCE STANDARDS

EN 61851-1 (3rd ed.)

EN 61439-7

VERSIONS

 With socket outlets

 With tethered charging cable

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
Glow Wire test:	650°C
IK degree at 20°C:	IK10
Colour:	Grey
Installation:	Wall-mounted
Saline solution:	Resistant
UV rays:	Resistant

MAIN FUNCTIONALITIES AND ELEMENTS

- LED Status Indicator
- LCD Display
- Adjustable Current: from 6A to 32A (32A - default) adjustable up to 63A for stations with 63A rated current
- DC Leakage detection - allows to fit upstream RCD Type A protections (verify local regulations)
- Save unlock - in case of power outage will keep the system in standby for 1 minute. Will resume charging in case power comes back before system shutdown

DISTINCTIVE ELEMENTS

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. T2S, simply safer.

ONE HAND VANDAL PROOF PROTECTION
Scame One Hand Vandal Proof flange reduce the risk of vandals tampering with the covers and improves charging accessibility.

FREE MODE - WALL BOX WITH TWO TYPE 2 SOCKET OUTLETS WITH SHUTTERS (T2S)

Power	Socket outlet	Display	Status indicator	Stop charging session	Code
2X22 kW	2xT2S	LCD	LED	Pushbutton	**204.WD23E-T2T2**

Further versions available on request

FREE MODE - WALL BOX WITH TWO TYPE 2 TETHERED CHARGING CABLES

Power	Connector	Display	Status indicator	Stop charging session	Code
2X22 kW	2xT2 4m cable	LCD	LED	Pushbutton	**204.WD23E-T24T24**
	2xT2 7,5m cable	LCD	LED	Pushbutton	**204.WD23E-SV001**

Further versions available on request

PERSONAL MODE - WALL BOX WITH TWO TYPE 2 SOCKET OUTLETS WITH SHUTTERS (T2S)

Power	Socket outlet	Display	Access	Digital Energy Meter	Protections	Code
2X7 kW	2xT2S	LCD	RFID	MID		**204.WD21D-T2T2M**
		LCD	RFID	MID	RCBO	**204.WD21B-T2T2M**
2X22 kW		LCD	RFID	MID		**204.WD23D-T2T2M**
		LCD	RFID	MID	RCBO	**204.WD23B-T2T2M**

Further versions available on request

PERSONAL MODE - WALL BOX WITH TWO TYPE 2 TETHERED CHARGING CABLES

Power	Connector	Display	Access	Digital Energy Meter	Protections	Code
2X22 kW	2xT2 4m cable	LCD	RFID	MID		**204.WD23D-T24T24M**
		LCD	RFID	MID	RCBO	**204.WD23R-T24T24M**
	2xT2 7,5m cable	LCD	RFID	MID	RCBO	**204.WD23R-SV002**

Further versions available on request

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■ WEB/NET MODE - WALL BOX WITH TWO TYPE 2 SOCKET OUTLETS WITH SHUTTERS (T2S)

Power	Socket outlet	Access	Digital Energy Meter	Connectivity	Protections	Code
2X7 kW	2xT2S	RFID	MID	Ethernet		**204.WD21D-T2T2MA**
		RFID	MID	Ethernet	RCBO	**204.WD21B-T2T2MA**
		RFID	MID	ETH-WiFi-2/3/4G	RCBO	**204.WD21B-T2T2ME**
2X22 kW		RFID	MID	Ethernet		**204.WD23D-T2T2MA**
		RFID	MID	Ethernet	RCBO	**204.WD23B-T2T2MA**
		RFID	MID	ETH-WiFi-2/3/4G	RCBO	**204.WD23B-T2T2ME**

Further versions available on request

■ WEB/NET MODE - WALL BOX WITH TWO TYPE 2 TETHERED CHARGING CABLES

Power	Connector	Access	Digital Energy Meter	Connectivity	Protections	Code
2X22 kW	2xT2 4m cable	RFID	MID	Ethernet		**204.WD23D-T24T24MA**
		RFID	MID	Ethernet	RCBO	**204.WD23R-T24T24MA**
		RFID	MID	ETH-WiFi-2/3/4G	RCBO	**204.WD23R-T24T24ME**
	2xT2 7,5m cable	RFID	MID	Ethernet	RCBO	**204.WD23R-SV003**

Further versions available on request

■ WD SERIES - ACCESSORIES

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 dual Wall Box	**208.AP22**

BE-A is a range of AC charging pillars made of powder coated-steel with powers ranging from 7,4 to 44 kW.

The IPXXD Type 2 socket outlets with shutters are coupled with the Scame One Hand Vandal proof flange, which allows safer, easier and more accessible charging operations. To make the charging experience even further intuitive, the vandal proof flanges are encircled in an illuminated ring that indicates the state of the charge.

BE-A range can be managed via Scame's proprietary management system or can be connected to an external E-mobility Service Provider via OCPP standard communication protocol.

The lines, clean and essential, are drawn by acclaimed iItalian Trussardi + Belloni Design making them the ideal choice for any urban context.

REFERENCE STANDARDS

EN 61851-1 (3rd ed.)

EN 61439-7

VERSIONS

	With front socket outlets

TECHNICAL CHARACTERISTICS

Rated current:	16A-32A-63A
Rated voltage:	230Vac-400Vac
Frequency:	50/60Hz
Insulation voltage:	250V-500V
Protection degree:	IP54
Active parts protection:	IPXXD
Installation temperature:	-30°C +50°C
Material:	Powder-coated steel
IK degree at 20°C:	IK10
Colour:	BE-Bronze
Installation:	Floor standing
Saline solution:	Resistant
UV rays:	Resistant

MAIN FUNCTIONALITIES AND ELEMENTS

- LED Status Indicator
- LCD Display
- Adjustable Current: from 6A to 32A (32A - default) adjustable up to 63A for stations with 63A rated current
- DC Leakage detection - allows to fit upstream RCD Type A protections (verify local regulations)
- Save unlock - in case of power outage will keep the system in standby for 1 minute. Will resume charging in case power comes back before system shutdown

DISTINCTIVE ELEMENTS

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. T2S, simply safer.
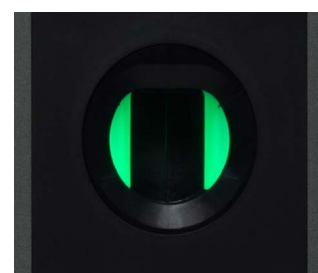
ONE HAND VANDAL PROOF PROTECTION
Scame One Hand Vandal Proof flange reduce the risk of vandals tampering with the covers and improves charging accessibility.

LED ILLUMINATED SOCKET
An LED light encompassed in the socket flange will provide information on charging session status and idenitfy socket location during night time.

PERSONAL MODE - PILLAR WITH TWO TYPE 2 SOCKET OUTLETS WITH SHUTTERS (T2S)

Power	Socket outlet	Display	Access	Digital Energy Meter	Protections	Code
2X7 kW	2xT2S	LCD	RFID	MID	RCBO	**205.A33-BB**
2X22 kW		LCD	RFID	MID	RCBO	**205.A33-DD**

Further versions available on request

WEB/NET MODE - PILLAR WITH TWO TYPE 2 SOCKET OUTLETS WITH SHUTTERS (T2S)

Power	Socket outlet	Access	Digital Energy Meter	Connectivity	Protections	Code
2X7 kW	2xT2S	RFID	MID	Ethernet	RCBO	**205.A52-BB**
		RFID	MID	ETH-WiFi-2/3/4G	RCBO	**205.A62-BB**
2X22 kW		RFID	MID	Ethernet	RCBO	**205.A52-DD**
		RFID	MID	ETH-WiFi-2/3/4G	RCBO	**205.A62-DD**

Further versions available on request

CHARGING STATIONS
BE-B
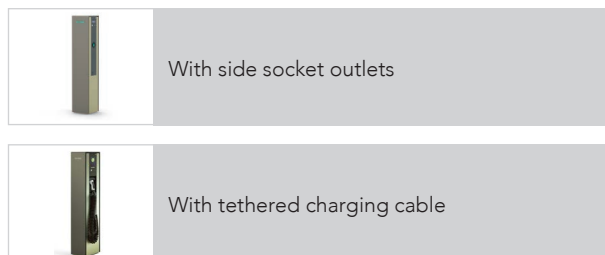
BE-B is a range of AC charging pillars made of powder coated steel with powers from 7,4 to 44 kW.

The IPXXD Type 2 socket outlets with shutters are coupled with the Scame One Hand Vandal proof flange, which allows safer, easier and more accessible charging operations. Also available in a tethered charging cable version, BE-B range makes the charging experience even further intuitive as the socket and connector's resting space are encircled in an illuminated ring that indicates the state of the charging session.

The collaboration of Scame with Trussardi + Belloni Design delivers this masterpiece, a perfect balance between technical reliability and Italian design sure to embellish any context they are present in.

REFERENCE STANDARDS

EN 61851-1 (3rd ed.)

EN 61439-7

VERSIONS

	With side socket outlets
	With tethered charging cable

TECHNICAL CHARACTERISTICS

Rated current:	16A-32A-63A
Rated voltage:	230Vac-400Vac
Frequency:	50/60Hz
Insulation voltage:	250V-500V
Protection degree:	IP54
Active parts protection:	IPXXD
Installation temperature:	-30°C +50°C
Material:	Powder-coated steel
IK degree at 20°C:	IK10
Colour:	BE-Bronze
Installation:	Floor standing
Saline solution:	Resistant
UV rays:	Resistant

MAIN FUNCTIONALITIES AND ELEMENTS

- LED Status Indicator
- LCD Display
- Adjustable Current: from 6A to 32A (32A - default) adjustable up to 63A for stations with 63A rated current
- DC Leakage detection - allows to fit upstream RCD Type A protections (verify local regulations)
- Save unlock - in case of power outage will keep the system in standby for 1 minute. Will resume charging in case power comes back before system shutdown

DISTINCTIVE ELEMENTS

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. T2S, simply safer.
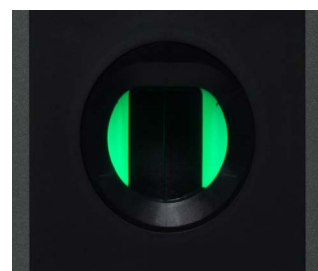
ONE HAND VANDAL PROOF PROTECTION
Scame One Hand Vandal Proof flange reduce the risk of vandals tampering with the covers and improves charging accessibility.

LED ILLUMINATED SOCKET
An LED light encompassed in the socket flange will provide information on charging session status and idenitfy socket location during night time.

PERSONAL MODE - PILLAR WITH TWO TYPE 2 SOCKET OUTLETS WITH SHUTTERS (T2S)

Power	Socket outlet	Display	Access	Digital Energy Meter	Protections	Code
2X7 kW	2xT2S	LCD	RFID	MID	RCBO	**205.B33-BB**
2X22 kW		LCD	RFID	MID	RCBO	**205.B33-DD**

Further versions available on request

PERSONAL MODE - PILLAR WITH TWO TYPE 2 TETHERED CHARGING CABLES

Power	Connector	Display	Access	Digital Energy Meter	Protections	Code
2X7 kW	2xT2 4m (max. extension) spiral cable	LCD	RFID	MID	RCBO	**205.B33-SS**
2X22 kW		LCD	RFID	MID	RCBO	**205.B33-UU**

Further versions available on request

WEB/NET MODE - PILLAR WITH TWO TYPE 2 SOCKET OUTLETS WITH SHUTTERS (T2S)

Power	Socket outlet	Access	Digital Energy Meter	Connectivity	Protections	Code
2X7 kW		RFID	MID	Ethernet	RCBO	**205.B52-BB**
	2xT2S	RFID	MID	ETH-WiFi-2/3/4G	RCBO	**205.B62-BB**
2X22 kW		RFID	MID	Ethernet	RCBO	**205.B52-DD**
		RFID	MID	ETH-WiFi-2/3/4G	RCBO	**205.B62-DD**

Further versions available on request

WEB/NET MODE - PILLAR WITH TWO TYPE 2 TETHERED CHARGING CABLES

Power	Connector	Access	Digital Energy Meter	Connectivity	Protections	Code
2X7 kW		RFID	MID	Ethernet	RCBO	**205.B52-SS**
	2xT2 4m (max. extension) spiral cable	RFID	MID	ETH-WiFi-2/3/4G	RCBO	**205.B62-SS**
2X22 kW		RFID	MID	Ethernet	RCBO	**205.B52-UU**
		RFID	MID	ETH-WiFi-2/3/4G	RCBO	**205.B62-UU**

Further versions available on request

AVAILABLE COLOURS

STANDARD COLOUR

STRUCTURE

DOOR
BE-BRONZE

SPECIAL COLOUR

STRUCTURE

DOOR
BE-GREY

STRUCTURE

DOOR
BE-BLUE

STRUCTURE

DOOR
BE-GREEN
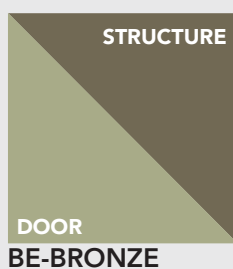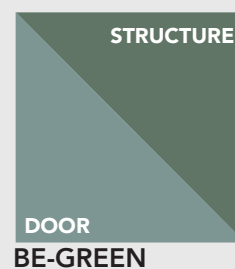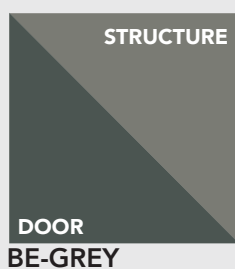
The charging stations are supplied standard in the colour BE-BRONZE.
Minimum batches of at least 10 pieces can be customised in the other listed colours.

PERSONALISED LOGO

Charging stations BE-A, BE-B and BE-B tethered can be personalised with one's own company logo in the indicated area. To request personalisation, the code **209.CU01-A** or **209.CU01-B** must be inserted in the order and a vector file of the company logo must be attached.

N.B. Scame reserves the right not to accept graphic proposals incompatible with the design of its stations.

Dimensions customizable area 150x505mm

BE-A

BE-B

APPLICATION EXAMPLES
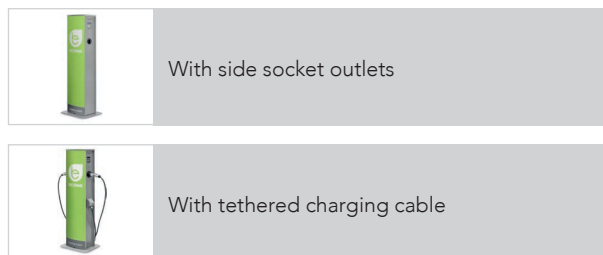
CA is a range of AC charging stations made of painted steel with powers ranging from 3,7 to 44 kW. It may be equipped with up to four socket outlets.

Scame's patented Type 2 socket outlet with shutters are coupled with the unique One Hand Vandal Proof flange.

The CA range allows for the greatest level of customization among the Scame range. The graphics of the frontal panels can be entirely customized with a design or logo of your choice, making it the ideal solution for offering a recharging opportunity as well as delivering an advertising message.

Also available in a tethered charging cable version, the CA range can be encompassed in a Master/Satellite system entirely manageable by Scame's proprietary Management System or by an external E-mobility Service Provider.

REFERENCE STANDARDS

EN 61851-1 (3rd ed.)

EN 61439-7

TECHNICAL CHARACTERISTICS

Rated current:	16A-32A-50A-63A
Rated voltage:	230Vac-400Vac
Frequency:	50/60Hz
Insulation voltage:	250V-500V
Protection degree:	IP54
Installation temperature:	-30°C +50°C
Material:	Steel sheet
Glow Wire test:	-
IK degree at 20°C:	IK10
Colour:	Grey
Installation:	Free-standing
Saline solution:	Resistant
UV rays:	Resistant

VERSIONS

	With side socket outlets
	With tethered charging cable

MAIN FUNCTIONALITIES AND ELEMENTS

- LED Status Indicator
- LCD Display
- Adjustable Current: from 6A to 32A (32A - default) adjustable up to 63A for stations with 63A rated current
- DC Leakage detection - allows to fit upstream RCD Type A protections (verify local regulations)
- Save unlock - in case of power outage will keep the system in standby for 1 minute. Will resume charging in case power comes back before system shutdown

DISTINCTIVE ELEMENTS

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. T2S, simply safer.

ONE HAND VANDAL PROOF PROTECTION
Scame One Hand Vandal Proof flange reduce the risk of vandals tampering with the covers and improves charging accessibility.

FREE MODE - PILLAR WITH TWO TYPE 2 SOCKET OUTLETS WITH SHUTTERS (T2S)

Power	Socket outlet	Display	Status indicator	Stop charging session	Code
2X22 kW	2xT2S	LCD	LED	Pushbutton	**204.CA23E-T2T2**

Further versions available on request

FREE MODE - PILLAR WITH TWO TYPE 2 TETHERED CHARGING CABLES

Power	Connector	Display	Status indicator	Stop charging session	Code
2X22 kW	2xT2 3m cable	LCD	LED	Pushbutton	**204.CA23E-T2T2**

Further versions available on request

PERSONAL MODE - PILLAR WITH TWO TYPE 2 SOCKET OUTLETS WITH SHUTTERS (T2S)

Power	Socket outlet	Display	Access	Digital Energy Meter	Protections	Code
2X7 kW	2xT2S	LCD	RFID	MID		**204.CA21D-T2T2M**
		LCD	RFID	MID	RCBO	**204.CA21B-T2T2M**
2X22 kW		LCD	RFID	MID		**204.CA23D-T2T2M**
		LCD	RFID	MID	RCBO	**204.CA23B-T2T2M**

Further versions available on request

PERSONAL MODE - PILLAR WITH TWO TYPE 2 TETHERED CHARGING CABLES

Power	Connector	Display	Access	Digital Energy Meter	Protections	Code
2X22 kW	2xT2 3m cable	LCD	RFID	MID		**204.CA23D-T24T24M**
		LCD	RFID	MID	RCBO	**204.CA23R-T24T24M**

Further versions available on request

🟩 **WEB/NET MODE - PILLAR WITH TWO TYPE 2 SOCKET OUTLETS WITH SHUTTERS (T2S)**

Power	Socket outlet	Access	Digital Energy Meter	Connectivity	Protections	Code
2X7 kW		RFID	MID	Ethernet		**204.CA21D-T2T2MA**
		RFID	MID	Ethernet	RCBO	**204.CA21B-T2T2MA**
	2xT2S	RFID	MID	ETH-WiFi-2/3/4G	RCBO	**204.CA21B-T2T2ME**
		RFID	MID	Ethernet		**204.CA23D-T2T2MA**
2X22 kW		RFID	MID	Ethernet	RCBO	**204.CA23B-T2T2MA**
		RFID	MID	ETH-WiFi-2/3/4G	RCBO	**204.CA23B-T2T2ME**

Further versions available on request

🟩 **WEB/NET MODE - PILLAR WITH TWO TYPE 2 SOCKET OUTLETS WITH SHUTTERS (T2S)**

Power	Connector	Access	Digital Energy Meter	Connectivity	Protections	Code
2X22 kW	2xT2 3m cable	RFID	MID	Ethernet		**204.CA23D-T24T24MA**
		RFID	MID	Ethernet	RCBO	**204.CA23R-T24T24MA**
		RFID	MID	ETH-WiFi-2/3/4G	RCBO	**204.CA23R-T24T24ME**

Further versions available on request

CUSTOMISATIONS

The CA pillar can be customised with personal graphics, modifying the inclusive section between the display and led indicator. For customisation, it is necessary to add the code **209.CU01-CA** to the order and attach a vector file containing the necessary data for the development of the graphics.

N.B. Scame reserves the right not to accept proposed graphics that are deemed inappropriate.
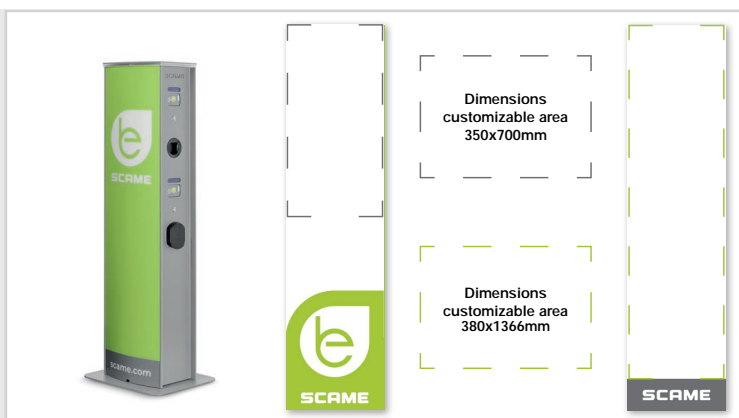
Dimensions customizable area 350x700mm

Dimensions customizable area 380x1366mm

CHARGING STATIONS
CB
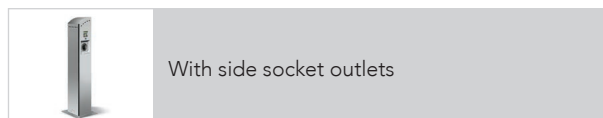
CB is a range of AC charging pillars made of stainless steel with powers from 3,7 to 44 kW. It may be equipped with up to two socket outlets.

Harsh environment conditions are sure to reduce the lifespan of any equipment. This is why the CB range, made of high quality stainless steel, is the unparalled choice for an investment sure to withstand the test of time .

The sturdiness of stainless steel coupled with the possibility to manage the stations with Scame's proprietary Management System, or connection to an external E-mobility Service Provider for billing operations, makes this the preferred range for marinas, harbours or seafront parkings wishing to provide a charging opportunity to anyone visiting or attending their premises.

■ REFERENCE STANDARDS

EN 61851-1 (3rd ed.)

EN 61439-7

■ VERSIONS

	With side socket outlets

■ TECHNICAL CHARACTERISTICS

Rated current:	32A–63 A
Rated voltage:	400Vac
Frequency:	50/60Hz
Insulation voltage:	500V
Protection degree:	IP54
Installation temperature:	-30°C +50°C
Material:	AISI 304 steel
Glow Wire test:	-
IK degree at 20°C:	IK10
Colour:	Satin-finished
Installation:	Free-standing
Saline solution:	Resistant
UV rays:	Resistant

■ MAIN FUNCTIONALITIES AND ELEMENTS

- LED Status Indicator
- LCD Display
- Adjustable Current: from 6A to 32A (32A - default) adjustable up to 63A for stations with 63A rated current
- DC Leakage detection - allows to fit upstream RCD Type A protections (verify local regulations)
- Save unlock - in case of power outage will keep the system in standby for 1 minute. Will resume charging in case power comes back before system shutdown

DISTINCTIVE ELEMENTS

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. T2S, simply safer.

ONE HAND VANDAL PROOF PROTECTION
Scame One Hand Vandal Proof flange reduce the risk of vandals tampering with the covers and improves charging accessibility.

PERSONAL MODE - PILLAR WITH 2 SOCKET OUTLETS WITH SHUTTERS TYPE 2 (T2S)

Power	Socket outlet	Display	Access	Digital Energy Meter	Protections	Code
2X7 kW	2xT2S	LCD	RFID	MID	RCBO	**204.CB21B-T2T2**
2X22 kW		LCD	RFID	MID	RCBO	**204.CB23B-T2T2**

Further versions available on request

WEB/NET MODE - PILLAR WITH 2 SOCKET OUTLETS WITH SHUTTERS TYPE 2 (T2S)

Power	Socket outlet	Access	Digital Energy Meter	Connectivity	Protections	Code
2X7 kW	2xT2S	RFID	MID	Ethernet	RCBO	**204.CB21B-T2T2A**
		RFID	MID	ETH-WiFi-2/3/4G	RCBO	**204.CB21B-T2T2E**
2X22 kW		RFID	MID	Ethernet	RCBO	**204.CB23B-T2T2A**
		RFID	MID	ETH-WiFi-2/3/4G	RCBO	**204.CB23B-T2T2E**

Further versions available on request

■ BE-A, BE-B, CA, CB - ACCESSORIES

Description	Code
Support for bracket fixing	**208.AP23**
User card with HF technology	**208.CARD**
White user card	**208.CARD-W**
User card programmer with HF technology	**208.PROG2**
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**

ACCESSORIES FOR THE CUSTOMIZATION OF THE CHARGING AREAS

Description	Code
Jig made of galvanised metal sheet for horizontal signage 1000x1000 mm	**208.AP32**
Spray can of paint for horizontal signage, green 500 ml size	**208.AP33**
Aluminium signal board 400x600 mm	**208.AP34**
Galvanized steel pole for signal board Ø 60 mm h=3000 mm	**208.AP35**
Impact protection guard Ø 60 mm 1200x500mm	**208.AP31**

CHARGING STATIONS
UB

UB is a range of charging stations for electric bicycles.

Available both in wall mounting and floor standing solution, the E-bike range is the ideal choice for public and private entities wishing to have a location dedicated to the recharge of electric bicycles.

They are available in the simplest plug and play setup, or access may be reserved only to authorized users who need an identification method to activate the charging session.

Authorization of users, statistics and transactions may be managed via Scame proprietary Management System, alternatively, billing operations are also possible when connected to external E-mobility Service Providers via OCPP communication protocol.

REFERENCE STANDARDS

EN 61851-1 (3rd ed.)

EN 61439-7

VERSIONS

	Distribution assembly

TECHNICAL CHARACTERISTICS

Rated current:	16A-32A
Rated voltage:	230Vac-400Vac
Frequency:	50/60Hz
Insulation voltage:	250V-500V
Protection degree:	IP56 (Omniaplus) IP66 (Domoplus)
Active parts protection:	IPXXD
Installation temperature:	-25°C +40°C
Material:	Thermoplastic
Glow Wire test:	650°C
IK degree at 20°C:	IK08
Colour:	Anthracite
Installation:	Wall-mounted
Saline solution:	Resistant
UV rays:	Resistant

APPLICATION EXAMPLES

STAND ALONE - DISTRIBUTION ASSEMBLIES WITH ONE IP56 OMNIAPLUS INTERLOCKED SOCKET OUTLET

Power	Socket outlet	Access	Protections	Padlockable	Code
1X3,7 kW	German	Interlocking system	RCBO	Yes	**204.UB11M-UN**
	Swiss T23	Interlocking system	RCBO	Yes	**204.UB11M-CH**

Further versions available on request

STAND ALONE - DISTRIBUTION ASSEMBLIES WITH TWO IP56 OMNIAPLUS INTERLOCKED SOCKET OUTLET

Power	Socket outlet	Access	Protections	Padlockable	Code
2X3,7 kW	German	Interlocking system	RCBO	Yes	**204.UB21M-UN**
	Swiss T23	Interlocking system	RCBO	Yes	**204.UB21M-CH**

Further versions available on request

STAND ALONE - DISTRIBUTION ASSEMBLIES WITH FOUR IP66 DOMOPLUS SOCKET OUTLET

Power	Socket outlet	Access	Protections	Padlockable	Code
4X3,7 kW	Pluristandard P40	Free	RCBO	No	**204.UB41S-EB**

Further versions available on request

PERSONAL MODE - DISTRIBUTION ASSEMBLIES WITH ONE ELECTRICAL INTERLOCKED SOCKET OUTLET

Power	Socket outlet	Access	Digital Energy Meter	Protections	Code
1X3,7 kW	German	RFID	MID	RCBO	**204.UB11B-EB**

Further versions available on request

PERSONAL MODE - DISTRIBUTION ASSEMBLIES WITH TWO ELECTRICAL INTERLOCKED SOCKET OUTLETS

Power	Socket outlet	Access	Digital Energy Meter	Protections	Code
2X3,7 kW	German	RFID	MID	RCBO	**204.UB21B-EB**

Further versions available on request

WEB/NET MODE - DISTRIBUTION ASSEMBLIES WITH ONE ELECTRICAL INTERLOCKED SOCKET OUTLET

Power	Socket outlet	Access	Digital Energy Meter	Connectivity	Protections	Code
1X3,7 kW	German	RFID	MID	Ethernet	RCBO	**204.UB11B-EBA**

Further versions available on request

WEB/NET MODE - DISTRIBUTION ASSEMBLIES WITH TWO ELECTRICAL INTERLOCKED SOCKET OUTLETS

Power	Socket outlet	Access	Digital Energy Meter	Connectivity	Protections	Code
2X3,7 kW	German	RFID	MID	Ethernet	RCBO	**204.UB21B-EBA**

Further versions available on request

UB - ACCESSORIES

Description	Code
Metal pole made of galvanised steel Ø 80 mm h=1250 mm	**654.0650**
Plate with protection roof for distribution assemblies with 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**

E-MOBILITY

CHARGING CABLES

CHARGING CABLES

A charging cable is intended to connect an electric vehicle to a mode 3 charging station.

It consists of a plug, to be mated in the charging station, and a connector, to be plugged into the e-vehicle's inlet.

A mode 3 charging cable is equipped with a CP contact intended to allow PWM communication between the vehwicle and the charging station. Additionally, the cables are wired with a PP contact that allows the vehicle not to absorb more power than the charging cable can phisically deliver. All Scame's charging cables are certified according to the relevant standards, and as further proof of the excellent quality and safety built, the Scame charging cables have obtained the prestigious EV-READY quality mark.

REFERENCE STANDARDS

EN 62196-1
EN 62196-2
EN 50620

VERSIONS

Charging cable

TECHNICAL CHARACTERISTICS

Rated current:	16A-20A-32A
Rated voltage:	200-250Vac / 380-480Vac
Frequency:	50/60Hz
Insulation voltage:	250V-500V
Protection degree:	IP44
Installation temperature:	-30°C +50°C
Material:	Thermoplastic
Saline solution:	Resistant
UV rays:	Resistant

CABLE

Rated voltage:	450V-750V
Wire insulation/sheath:	PUR
Maximum temperature:	+90°C

APPLICATION EXAMPLES

CHARGING CABLES

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

Type 1 Type 2 Type 3A Type 3C

CHARGING CABLES

Scame's charging cable are also available in the spiral cable version.
The spiral version differs from the linear/flat version for the compactness of the cable.
A coiled cable takes up less space and can be easily and neatly stored away in the car's boot.
During connection phase the coils gently ease out keeping your cable suspended mid-air and away from dirt, mud and snow.

REFERENCE STANDARDS

EN 62196-1
EN 62196-2
EN 50620

VERSIONS

 Spiral charging cable

TECHNICAL CHARACTERISTICS

Rated current:	20A-32A
Rated voltage:	200-250Vac / 380-480Vac
Frequency:	50/60Hz
Insulation voltage:	250V-500V
Protection degree:	IP44
Installation temperature:	-30°C +50°C
Material:	Thermoplastic
Saline solution:	Resistant
UV rays:	Resistant

CABLE

Rated voltage:	450V-750V
Wire insulation/sheath:	PUR
Maximum temperature:	+90°C
Max. extension:	4m

APPLICATION EXAMPLES

SPIRAL CHARGING CABLES

Power	Cable length	Cable characteristics	Charging station side	Electric vehicle side	Code
3,7 kW	4m (max. extension)	SPIRAL 3 x 2,5 mm^2 + 1 x 0,5 mm$_2$			**201.CS2121-4S**
7,4 kW	4m (max. extension)	SPIRAL 3 x 6 mm^2 + 1 x 0,5 mm^2			**201.CS2323-4S**
11 kW	4m (max. extension)	SPIRAL 5 x 2,5 mm^2 + 1 x 0,5 mm^2			**201.CS2222-4S**
22 kW	4m (max. extension)	SPIRAL 5 x 6 mm^2 + 1 x 0,5 mm^2			**201.CS2424-4S**

Type 2

ZP01106-EN-3

CSQ ISO 9001
CSQ ISO 14001
CSQ ISO 45001
CERTIFIED IQNet MANAGEMENT SYSTEM

SCAME
electrical solutions