A1Charge
B810 GROUP

Charging solutions for electric vehicles

Product Catalog

2024

INDEX

02/2024


Electrify
your way

Electric Vehicles

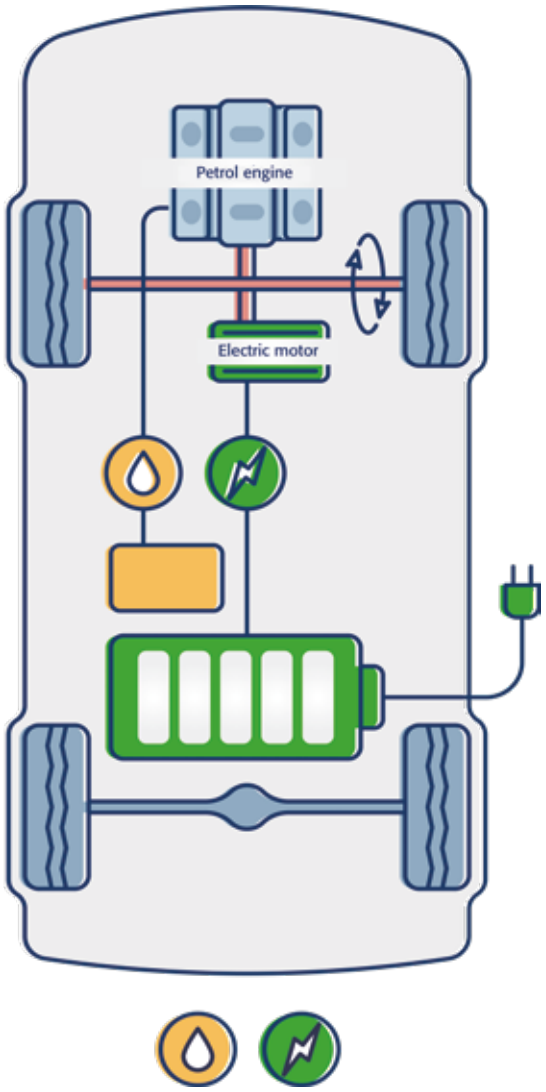
The electric vehicle market includes a wide range of vehicles divided into Full electric (BEV) and Hybrid Plug In (PHEV) Battery Electric Vehicle (BEV).

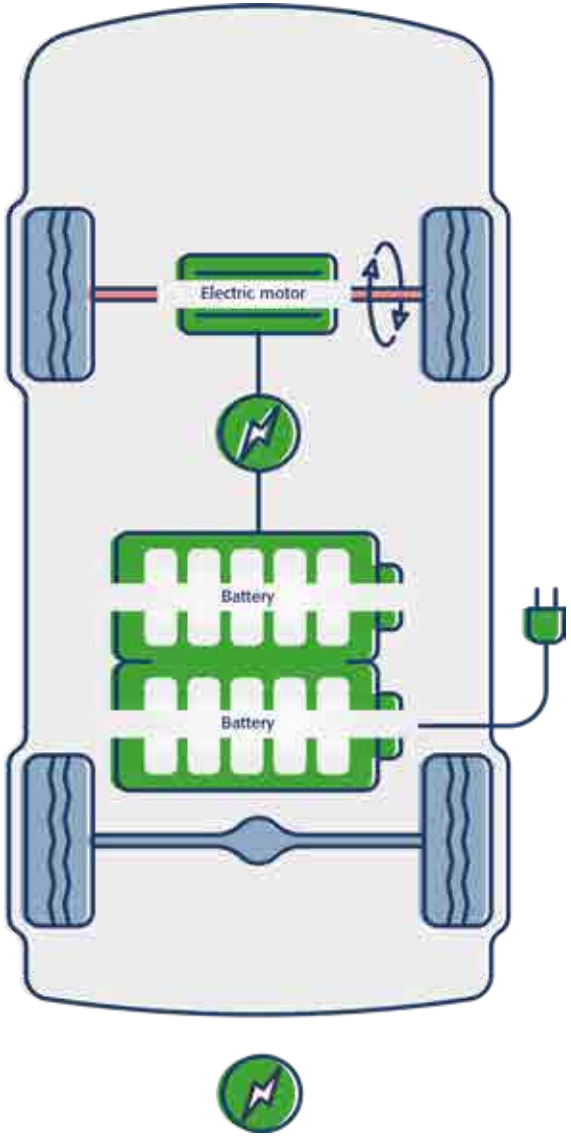
Battery Electric Vehicle (BEV)

A battery electric vehicle (BEV) is characterized by the ability to store energy within the vehicle's included batteries and move with only electric motors, thus without internal combustion. It therefore requires periodic recharging of the battery for proper operation.

Plug-In Hybrid Vehicle (PHEV)

Unlike the previous model BEV. in the vehicles PHEV coexists both an electric motor and endothermic motor. In this case,
The batteries can be recharged from an external plug (PHEV or directly from the endothermic engine (Hybrid).


Petrol engine
Electric motor


Electric motor
Battery
Battery

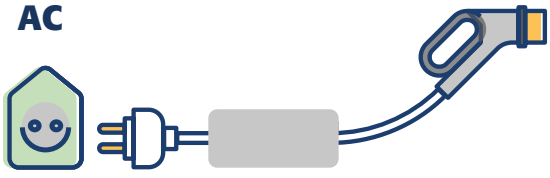

SLOW

EV charging mode

① Mode 1 - Home socket and extension cord in AC

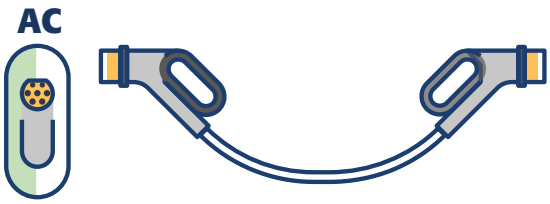
Mode 1 is the direct connection of the electric medium to household outlets (230/400VAC).

② Mode 1 - Mode 2 - Home socket with AC control



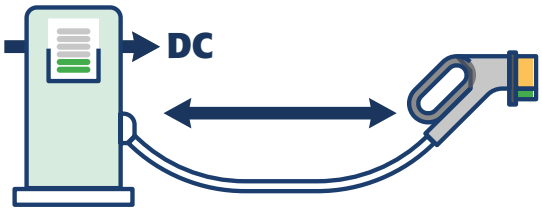
Mode 2 is the direct connection of the electric medium to household or industrial outlets (230/400VAC) through a cable that integrates control electronics between the vehicle and the power grid.
It is therefore a portable charging station for use in private areas only.

③ Mode 3 - Fixed AC charging station with removable cable



These are fixed charging stations (WallBox) in **230/400 V alternating current** specifically for electric vehicle charging that provides appropriate fixed control contacts. The sockets and connectors adopted for Mode 3 in Europe and other countries are those of Type 2, according to **EN 62196-2**.

④ Mode 4 - Fixed DC charging station



This charging method consists of connecting the vehicle to DC connectors incorporating, control and protection functions and the Charger regulating the charging current delivered.
Dedicated method for 'Fast and Ultra Fast charge" involving power above 20 kW/ DC up to the maximum powers of the A1 9000 line.

Slow and fast charging

Charging speed is affected by multiple factors:

The maximum power of the electric vehicle chargers, its capacity, and on-board battery technology.
The maximum power of the charging station, the charging mode and consequently the related connector.
The type of cable used for charging,
The charging temperature: batteries charge faster at higher temperatures, but too high a temperature can damage the battery.

Type	Charging modes	Power	
SLOW	(2) (3)	3,7 kW ÷ 7,4 kW	**AC** Alternating current
QUICK	(3)	7,4 kW ÷ 22 kW	
FAST	(3)	> 22 kW	
	(4)	20 kW	**DC** Corrente continua
ULTRA FAST	(4)	60 kW ÷ 180 kW	

Connectors

The type of connectors to recharge electric vehicles (BEVs) varies from the regulations of the country of marketing, individual manufacturers, and the type of charging.

Charge	North America	Japan	China	Europe *(remaining market)*
AC				
	J1772 (type 1)	J1772 (type 1)	GB/T	Type 2
DC				
	CCS1	CHAdeMO	GB/T	CCS2

About us?

A1Charge was born, a division with the aim of covering a new piece of the Smart City. that of electric mobility able to offer charging solutions starting from the simple wallbox for domestic use to the most advanced DC fast charging stations.
A1Charge is a joint venture between B810 Spa, a dynamic reality founded in 2011 that produces more than 800,000 loT products per year in its production facilities, and S&H. an Italian SME that has been designing charging systems for electric vehicles since 2008.

A1Charge follows what has already been developed in the Smat City area by the group with Intellienergy Srl (Building Automation), Digicom Energy (Predictive Manutention, Router. Galeways and Wireless Connectivity)
BB10 Smart Grid (smart devices for electrical substations) and with A1 Charge (Energy Community and, E-mobility) to support the new paradigm of urban development and lifestyle in the city of tomorrow.

A1Charge DESIGNS, PRODUCES and INTEGRATES:

- DESIGNS 100% 'in house' AC/DC charging stations from 7.4Kw AC up to 150kw DC.
- PRODUCES and ASSEMBLES 100% 'in house' in its own production plants in Italy and abroad.
- INTEGRATES with its own resources and expertise the product according to customer needs.

R&D

Architecture

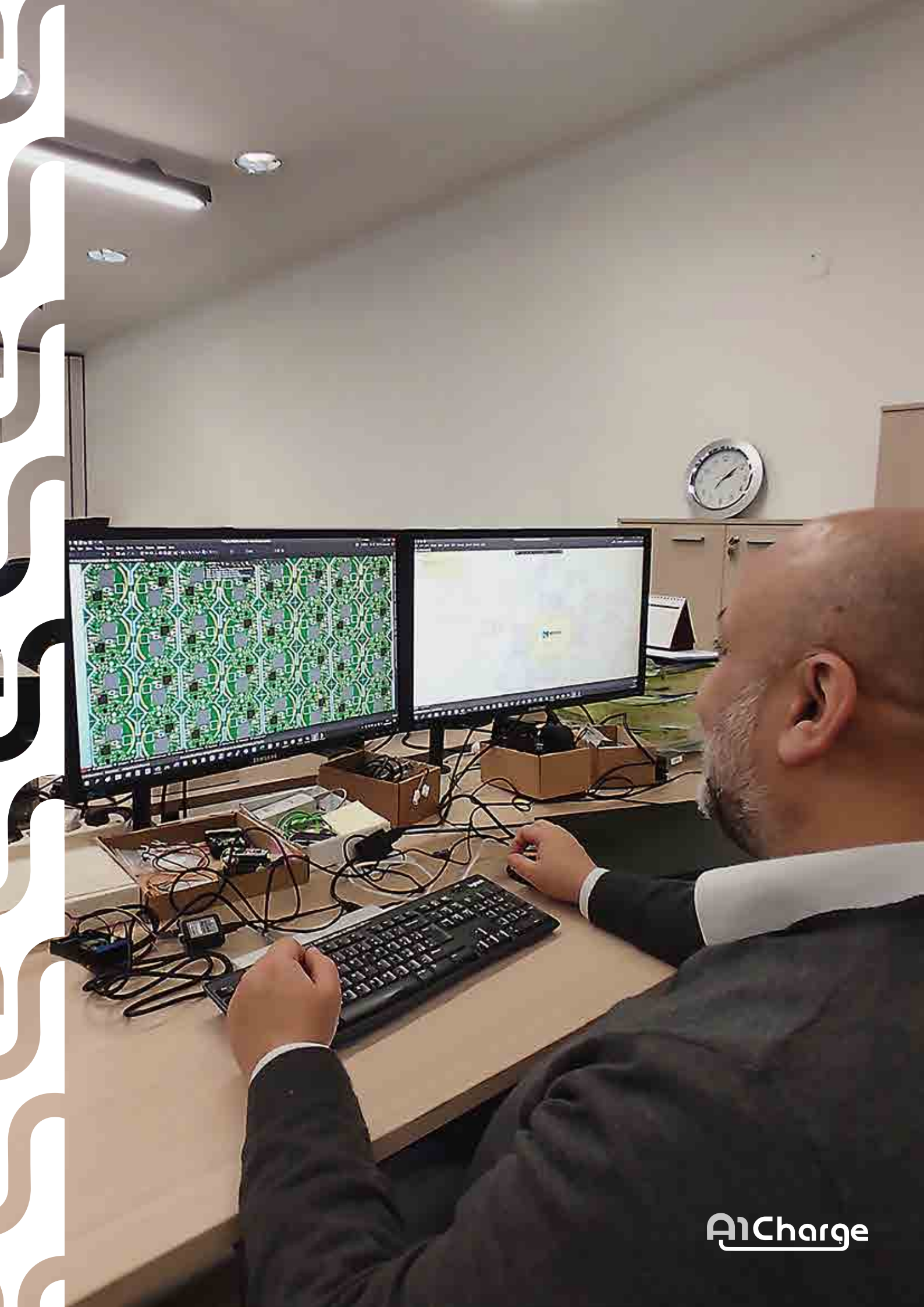
Software design

Hardware design

Mechanical design

Product customization

User interface


A1Charge

Customized solutions

Design

Interface

Certifications and Homologations

Operations

Production

Logistics

Telematics box and wallbox installation

After-sales service

A wide range of digital and cloud services for complete and autonomous management of the entire charging ecosystem in both public and private spheres.
The easy and intuitive interface allows complete management and monitoring of the fleet of installed charging stations in the territory.

Basic IT infrastructure services

Cloud Platform

Look&Feel

Mobile App

Software maintenance

Integration with third parties

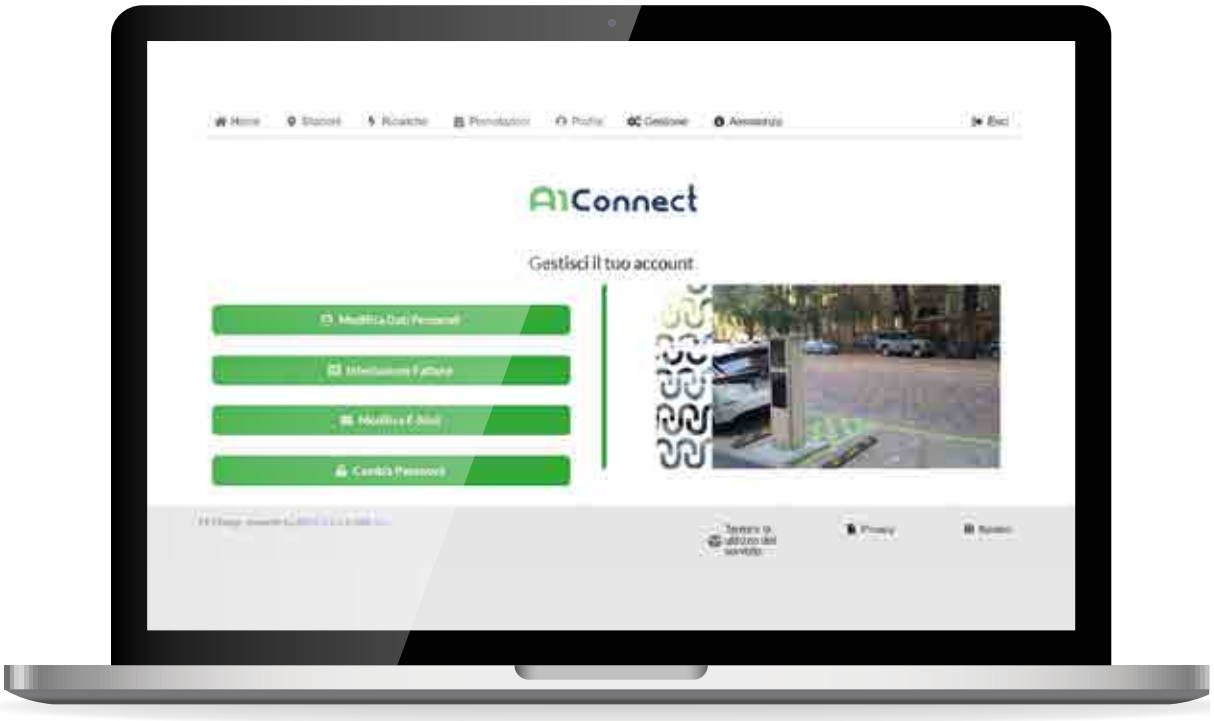
Charging point payment

A1 Connect
Digital Services

Optional Services

Air Quality

Carbon FootPrint



Additional Features

Experience reviews

Charging point analytics

Price setting and managementi

Power output monitoring

Managing platform

The A1 Connect platform is dedicated for charging service operators (EMSPs) and CPOs to control total clogged stations in the territory.
For each charging station, parameters can be monitored and alerts or analytical reports on efficiency can be received.

In detail, the platform allows management of the following parameters:

- Time of use of each station and related energy costs
- Information on the status of individual charging ports (in use, failure, available service request)
- Total overall power output
- Number of vehicles/charging fidelities
- Number of charging sessions
- Average time of each recharge
- Revenues generated from recharges
- Energy consumed and other ancillary costs/depreciation

Sustainability Analytics

Management of installed base

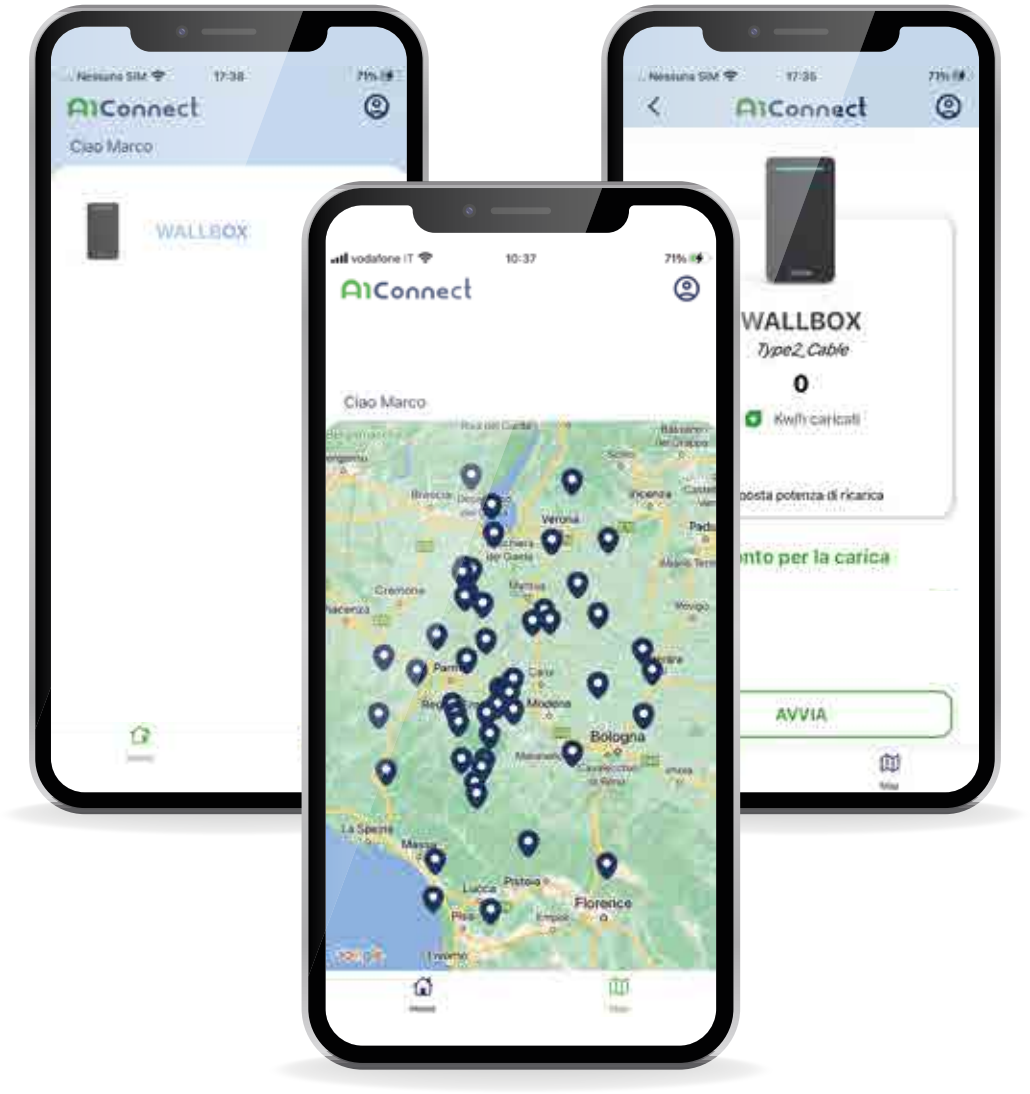
Revenue Trends

Fleet specific settings

Available features

Wallbox home charging management

Management of public charging



Mobile App

The A1 Connect App allows the user to monitor and manage public, private and domestic charging from the comfort of the cell phone,
Users can easily find the most convenient charging point for them, start and stop charging, and have full access to the database of stations, charging speed and individual outlets available.

Additional Features

eolocation using search filters

Charging info

Availability and reservations

RFID card

Charging socket

Station features

In-App Support

ype of Area

Easy start and stop

In-App payments

PRODUCT CATALOG
2024

A1Charge

AC WALLBOX SOLUTION

A1 1000
Wallbox 1 phase

A1 1500 Evo H
Wallbox 1/3 phase Custom

A1 1500 Evo P
Wallbox 1/3 phase Custom

Series A1 1000

A1 1000 is a robust and reliable AC Charging Wallbox typically used for electric vehicle charging in a domestic environment (garage or condominium areas).
It is offered in both Single-phase and Three-phase versions with power ratings ranging from 3.7kW up to 22Kw (configurable).

Villas

Condos

Households

Type 2 and 5 m cable

Single-phase or three-phase power

Alternating current

Dynamic load handling

Customizable interface

Design and manufacturing in Italy

A1Charge

A1 1000
Wallbox 1 phase

CONNECTOR TYPE 2 - CABLE 5m

1~

SINGLE-PHASE

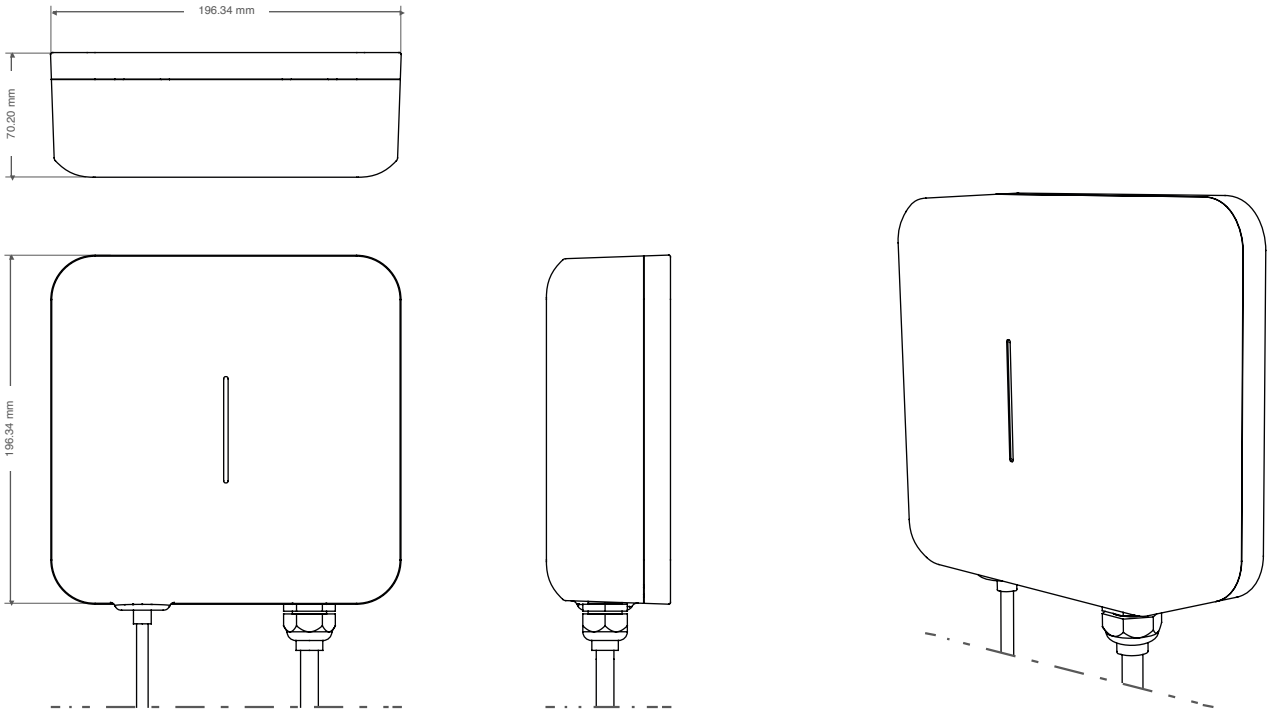
AC

ALTERNATING CURRENT

RoHS 2011/65/EU CE

CONFORMITY

Dimensions



Electronics	
Power supply voltage	230 AC
Frequency	50 Hz
Power output	7.4 kW Single phase
Current drawn	max 32 A
Cable/Socket	5 mt (opt 7mt)
Connector	Type 2
Charging Mode	Mode 3
Automatic power adjustment	Optional
Dynamic load management *(programmable)*	In APP
Mechanics	
Dimensions (single phase)	250 x 250 x 100 mm
Weight	3.5Kg
Material	UV-resistant plastic polymer
Color	Black
Installation	With wall plugs
Environmental	
Operating temperature	-25° +50° C
Storage temperature	-40° +80° C
IP rating	IP55 or more
IK rating	IK8
Umidity	5% - 95%
Altitude	0-2.000 mt
Interface	
Activation	Card RFID (ISO 14443A) Mobile APP
Interface	LED on product Full control on APP
Connectivity	
Wi-Fi	IEEE802.11 b/g/n
Ethernet *(optional)*	RJ45 - 802.3 Ethernet network
Cellular Module *(optional)*	2G-4G LTE
Low range connectivity *(optional)*	Bluetooth Low Energy
Communication protocol	OCPP 1.6J - 2.0 Ready/MQTT
Conformity	
Certifications	CE - RoHS

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A1 1500 EVO H
Wallbox 1/3 phase Custom

TYPE 2 SOCKET

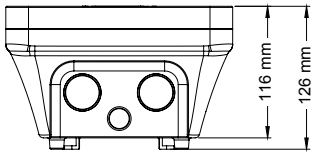
SINGLE-PHASE AND THREE-PHASE

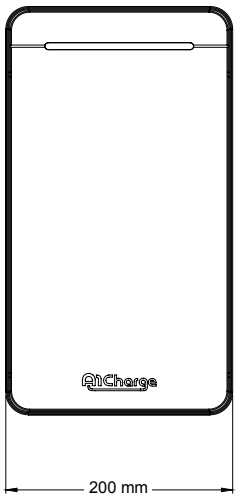
ALTERNATING CURRENT

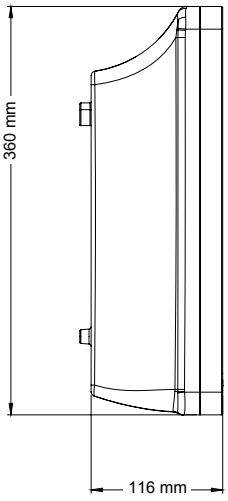
RoHS 2011/65/EU CE

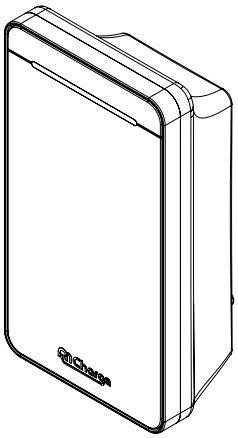
CONFORMITY

Dimensions









Electronics	
Power supply voltage	120/230 VAC
Frequency	50 Hz / 60 Hz
Power output	7.4 kW Single Phase / 22 Kw Three Phase
Current drawn	max 32 A
Cable/Socket	5 mt (opt 7mt)
Connector	Type 2
Charging Mode	Mode 3
Automatic power adjustment	In APP
Dynamic load management *(programmable)*	In APP
Mechanics	
Dimensions	200 x 360 x 116 mm
Weight	3,8 Kg
Material	UV-resistant plastic polymer
Color	Customizable
Installation	With wall plugs
Environmental	
Operating temperature	-25° +50° C
Storage temperature	-40° +80° C
IP rating	IP 55
IK rating	IK 08
Umidity	5% - 95%
Altitude	0-2.000 mt
Interface	
Recharge Activation	Card RFID (ISO 14443A) Mobile APP
Interface	LED on product Monitoring on APP
Connectivity	
Wi-Fi	IEEE802.11 b/g/n
Ethernet *(optional)*	RJ45 - 802.3 Ethernet network
Cellular Module*(optional)*	2G-4G LTE
Low range connectivity *(optional)*	Bluetooth Low Energy
Communication protocol	OCPP 1.6J - 2.0 Ready/MQTT
Conformity	
Certifications	CE - RoHS

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A1 1500 EVO P
Wallbox 1/3 phase Custom

TYPE 2 SOCKET

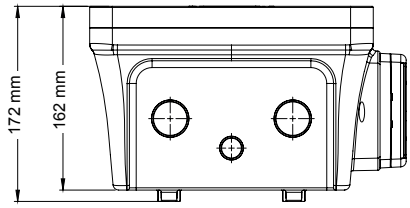
SINGLE-PHASE AND THREE-PHASE

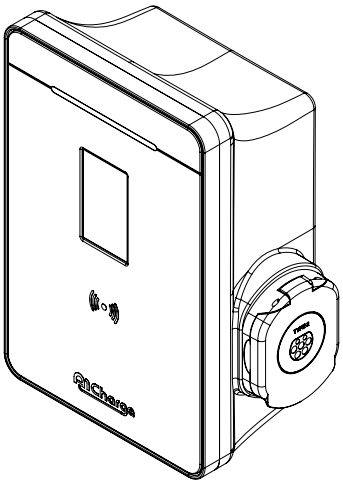
ALTERNATING CURRENT

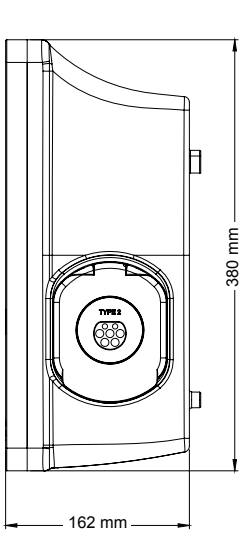
RECHARGE MONITORING

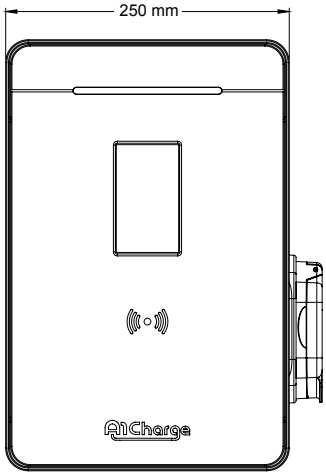
CONFORMITY

Dimensions









Electronics	
Power supply voltage	120/230 VAC
Frequency	50 Hz / 60 Hz
Power output	7.4 kW Single Phase / 22 Kw Three Phase
Current drawn	max 32 A
Socket	5 mt (opt 7mt)
Connector	Type 2
Charging Mode	Mode 3
Automatic power adjustment	In APP
Dynamic load management *(programmable)*	In APP
Mechanics	
Dimensions	250 x 380 x 162 mm
Weight	4,9 Kg
Material	UV-resistant plastic polymer
Colore	Customizable
Installation	With wall plugs
Environmental	
Operating temperature	-25° +50° C
Storage temperature	-40° +80° C
IP rating	IP 55
IK rating	IK 10
Umidity	5% - 95%
Altitude	0-2.000 mt
Interface	
Recharge Activation	Card RFID (ISO 14443A) Mobile APP
Interface	4.5'' display Monitoring on APP
Connectivity	
Wi-Fi	IEEE802.11 b/g/n
Ethernet *(optional)*	RJ45 - 802.3 Ethernet network
Cellular Module *(optional)*	2G-4G LTE
Low range connectivity *(optional)*	Bluetooth Low Energy
Communication protocol	OCPP 1.6J - 2.0 Ready/MQTT
Conformity	
Certifications	CE - RoHS

NEW 2024

A1 1500 EVO H
Wallbox 1/3 phase Custom

Customizations

A1 1500 EVO P
Wallbox 1/3 phase Custom

Customizations

TOWER AC CHARGING STATIONS

A1 5000
Tower 1 phase

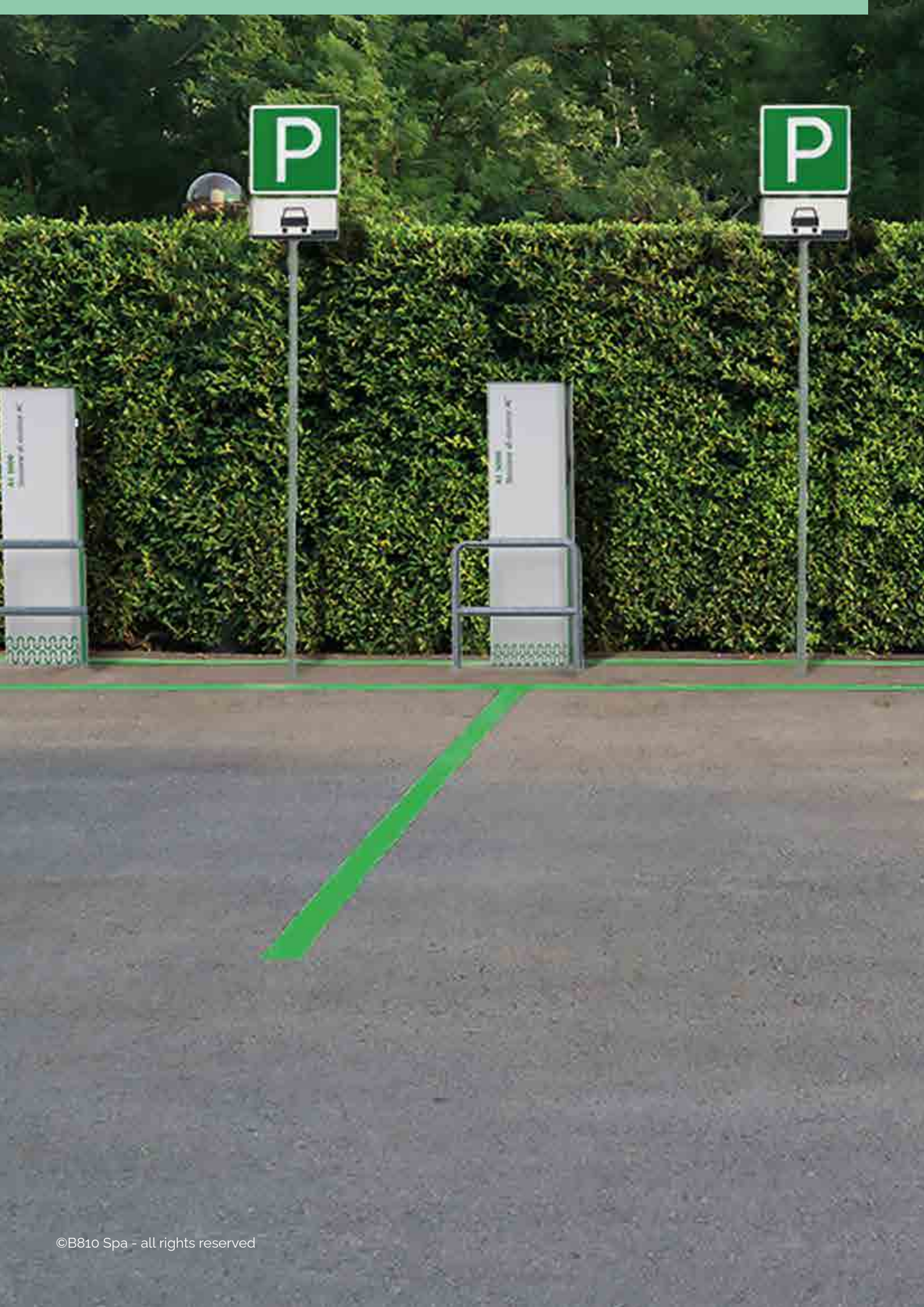
A1 5500
Tower 3 phase

A1 5000 C
Tower 3 phase Advertise

A1 6000
Tower 1 phase

A1 6500
Tower 3 phase

A1 7000 C
Totem 3 phase Advertise



Series A1 5000

The A1 5000 range consists of charging stations in AC single-phase and three-phase for public and commercial use up to 22kW. The stations have a 2.8" display to preside over charging and can be configured with one or two charging points

Hotel

Small industries

Market

Parking lot

Type 2

Single-phase or three-phase power

Alternating current

Multi-station power control

Costumizable interface

Design and manufacturing in Italy

A1Charge

A1 5000
Tower 1 phase

TYPE 2 SOCKET

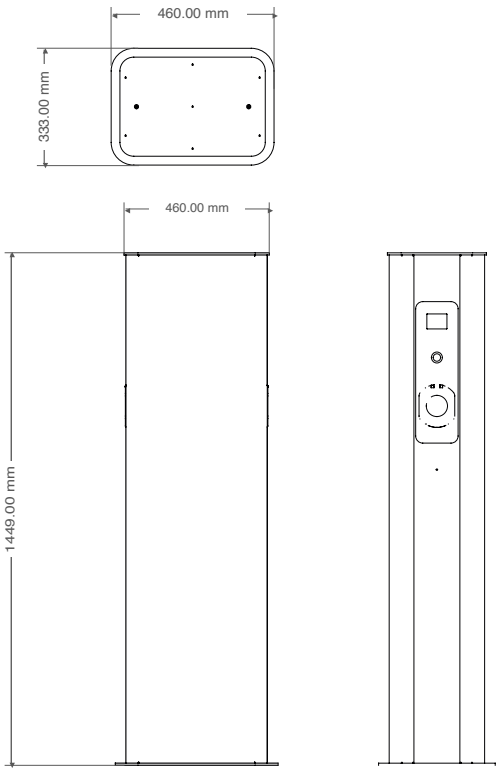
SINGLE-PHASE

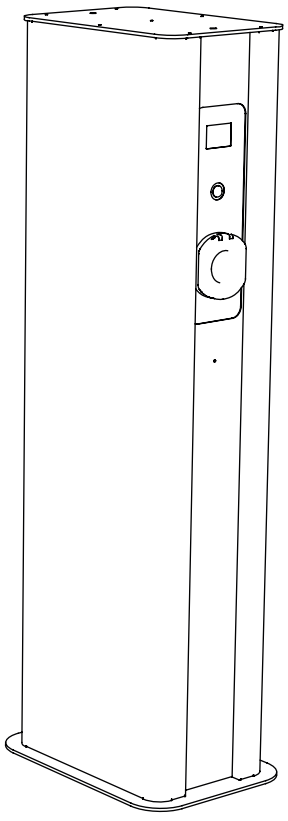
ALTERNATING CURRENT

RECHARGE MONITORING

CONFORMITY

Dimensions





Electronics	
Power supply voltage	230 VAC
Frequency	50 Hz
Charging points	n. 1 (o 2) shutter socket
Max output power	7,4 kW (+ 7,4) kW single-phase
Max Current Consumption	32A (+ 32A)
Socket	Type 2
Modo di ricarica	Modo 3
Multi-station power control	With optional A1S-200 accessory
Mechanics	
Dimensions	410 x 280 x 1450 mm
Weight	40Kg
Standard materials	Weatherproof and anti-vandal treated sheet metal
Saline Solution Protection	Resistant
UV Protection	Resistant
Optional materials	Stainless steel with your choice of finish
Graphic customization	Wrapping with customer customization
Customization Base plate (dimensions)	330 x 460 mm
Pillar fixing	Grounded with anchor bolts or chemical anchors
Shockproof pole	Optional
Canopy cover	Optional
Environmental	
Operating Temperature	-25° +50° C
IP grade	IP55
IK grade	IK09
Relative humidity	5% - 95%
Altitude	2.000 mt
Charge Activation	
Recharge Activation	Card RFID (ISO 14443A) On OCPP (Mobile App, Web App)
User interface	Display 2,8'' full-color touch Status LEDs and Mobile App
Connectivity	
Ethernet *(standard)* WI-FI *(optional)* Cellular Module *(optional)* Low range Connectivity *(optional)* Communication protocols Communication protocols *(optional)*	RJ45 - 802.3 Ethernet network IEEE802.11 b/g/n 2G-4G LTE Bluetooth Low Energy OCPP 1.6J - 2.0 Ready MQTT
Conformity	
Certifications	CE - RoHS

A1Charge

A1 5500
Tower 3 phase

TYPE 2 SOCKET

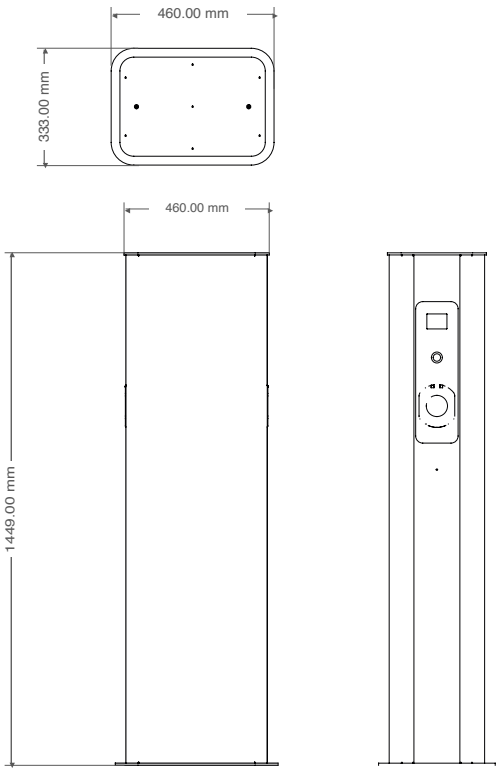
THREE-PHASE

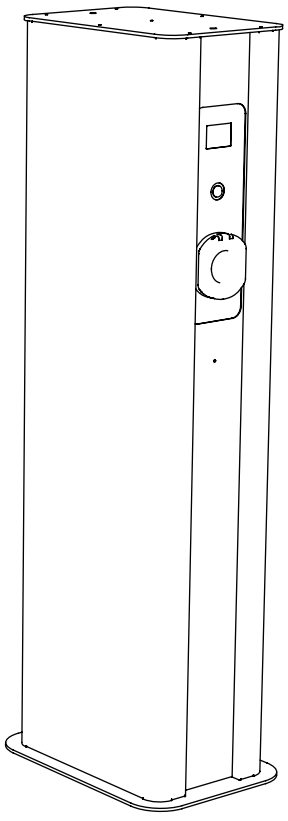
ALTERNATING CURRENT

RECHARGE MONITORING

CONFORMITY

Dimensions

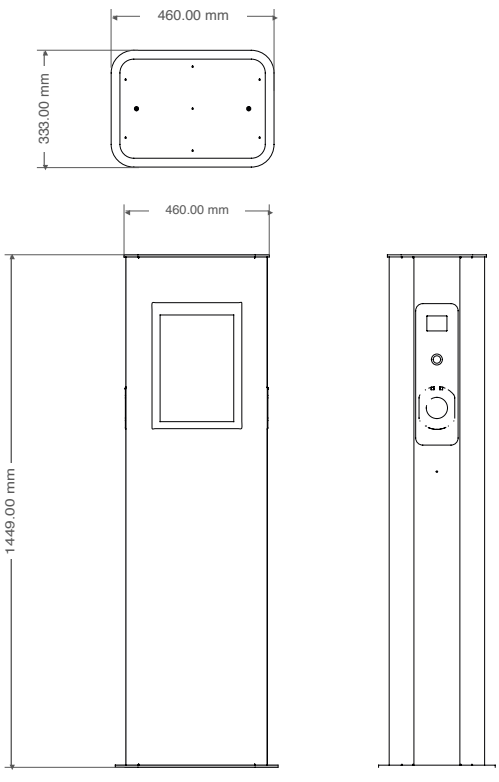


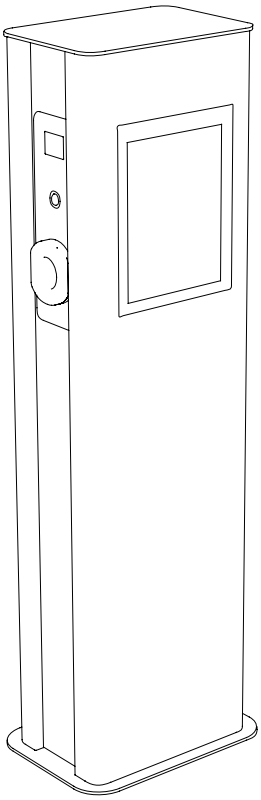


Electronics	
Power Supply voltage	400 VAC
Frequency	50 Hz
Charging points	N. 1 (or 2) shutter socket
Max output power	22 kW (+ 22) kW three-phase
Max Corrent Consumption	32A (+ 32A)
Socket	Type 2
Charging mode	Mode 3
Multi-station power control	With optional A1S-200 accessory
Mechanics	
Dimensions	410 x 280 x 1450 mm
Weight	40Kg
Standard materials	Weatherproof and anti-vandal treated sheet metal
Saline solution Procìtection	Resistent
UV Protection	Resistent
Optional materials	Stainless steel with your choice of finish
Graphic customization	Wrapping with customer customization
Base plate (dimensions)	330 x 460 mm
Pillar fixing	Grounded with anchor bolts or chemical anchors
Shockproof pole	Optional
Canopy cover	Optional
Environmental	
Operating Temperature	-25° +50° C
IP grade	IP55
IK grade	IK09
Relative humidity	5% - 95%
Altitude	2.000 mt
Charging Activation	
Recharge Activation	Card RFID (ISO 14443A) On OCPP (Mobile App, Web App)
User interface	Display 2,8'' full-color touch Status LEDs and Mobile App
Connectivity	
Ethernet *(standard)*	RJ45 - 802.3 Ethernet network
Wi-Fi *(optional)*	IEEE802.11 b/g/n
Cellular Module *(optional)*	2G-4G LTE
Low range connectivity *(optional)*	Bluetooth Low Energy
Communication protocol	OCPP 1.6J - 2.0 Ready
Communication protocol *(optional)*	MQTT
Conformity	
Certifications	CE - RoHS

A1 5000 C
Tower 3 phase Advertise

Dimensions





Customizations	
Power	Single-phase 7,4 Kw
	Three-phase 22 Kw
Interface	Display HMI 2,8" full-color touch
	Display ADV 15"
Charging activation	Mobile App
	RFID Card
Connectivity	RJ45 - 802.3 Ethernet network
	WiFi IEEE802.11 b/g/n
	IEEE802.11 b/g/n
	2G-4G LTE
	Bluetooth Low Energy
Communication Protocol	OCPP 1.6J - 2.0 Ready
	MQTT
Costumization	Wrapping corporate colors

Series A1 6000

The A1 6000 range consists of charging stations in AC for public and commercial use. The stations have two types of displays (7.4" or 15") and can be configured from one to four charging points.

Hotel

Small industries

Market

Parking lot

Type 2

Single-phase or three-phase

Alternating current

Multi-station power control

Costumizable interface

Design and manufacturing in Italy

A1Charge

A1 6000
Tower 1 phase

TYPE 2 SOCKET

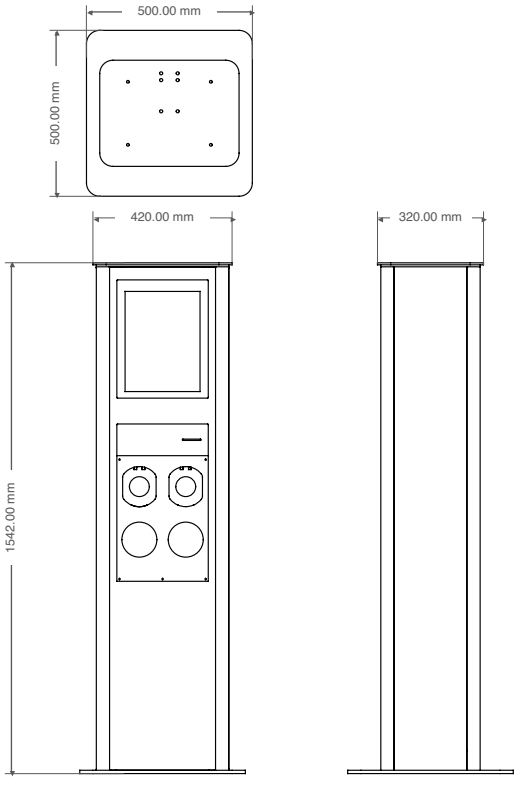
1 SINGLE-PHASE

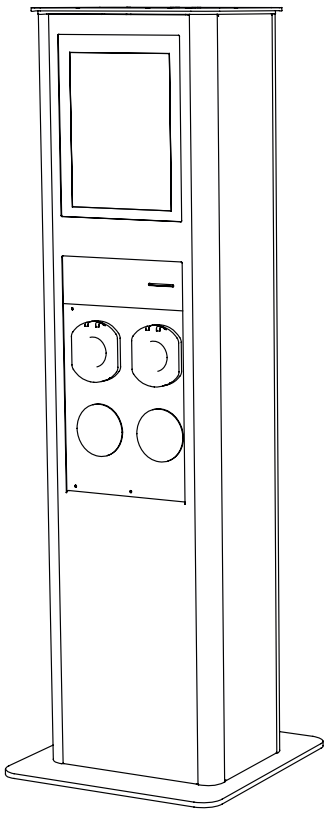
AC ALTERNATING CURRENT

15" RECHARGE MONITORING

RoHS 2011/65/EU CE CONFORMITY

Dimensions





Electronics	
Power Supply voltage	230 VAC
Frequency	50 Hz
Charging points	N. 1 (or 2) shutter socket
Max output power	7,4 kW (+ 7,4) kW single-phase
Max Corrent Consumption	32A (+32A)
Socket	Type 2
Charging mode	Mode 3
Multi-station power control	With standard A1S-200 accessory
Mechanics	
Dimensions	400 x 300 x 1542 mm
Weight	55 Kg
Standard materials	Weatherproof and anti-vandal treated sheet metal
UV Protection	Resistent
Optional materials	Stainless steel with your choice of finish
Graphic customization	Wrapping with customer customization
Base plate (dimensions)	500 x 500 mm
Pillar fixing	Grounded with anchor bolts or chemical anchors
Shockproof pole	Optional
Canopy cover	Optional pillar-mounted
Environmental	
Operating Temperature	-25° +50° C
IP grade	IP55
IK grade	IK09
Relative humidity	5% - 95%
Altitude	2.000 mt
Charging Activation	
Recharge Activation	Card RFID (ISO 14443A) APP Phone or Web
User interface	Display 15" full-color touch APP
Connectivity	
Ethernet *(standard)*	RJ45 - 802.3 Ethernet network
Wi-Fi *(optional)*	IEEE802.11 b/g/n
Cellular Module *(optional)*	2G-4G LTE
Low range connectivity *(optional)*	Bluetooth Low Energy
Communication protocol	OCPP 1.6J - 2.0 Ready
Communication protocol *(optional)*	MQTT
Conformity	
Certifications	CE - RoHS

A1 6500
Tower 3 phase

TYPE 2 SOCKET

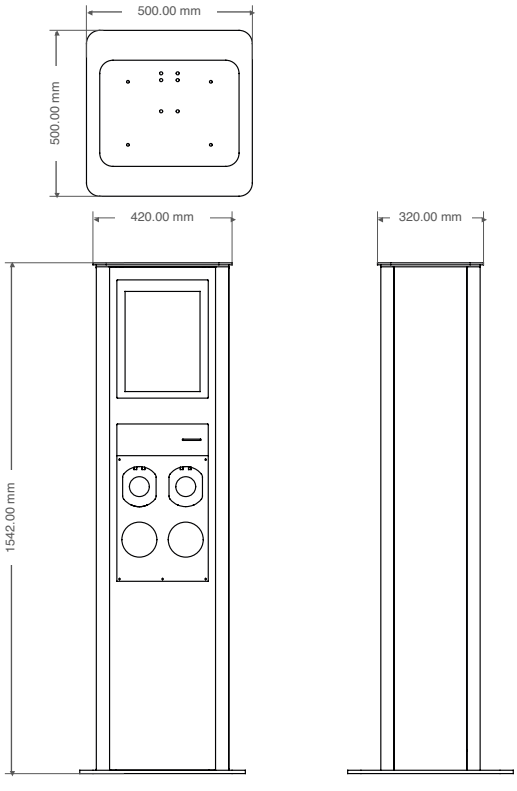
THREE-PHASE

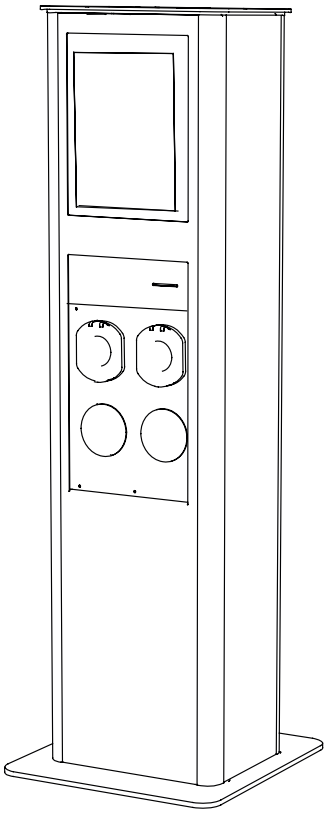
ALTERNATING CURRENT

RECHARGE MONITORING

CONFORMITY

Dimensions





Electronics	
Power Supply voltage	400 VAC
Frequency	50 Hz
Charging points	N. 1 (or 2) shutter socket
Max output power	22 kW (+ 22) kW three-phase
Max Corrent Consumption	32A (+ 32A)
Socket	Type 2
Charging mode	Mode 3
Multi-station power control	With standard A1S-200 accessory
Mechanics	
Dimensions	300 x 400 x 1542 mm
Weight	55 Kg
Standard materials	Weatherproof and anti-vandal treated sheet metal
UV Protection	Resistent
Optional materials	Stainless steel with your choice of finish
Graphic customization	Wrapping with customer customization
Base plate (dimensions)	500 x 500 mm
Pillar fixing	Grounded with anchor bolts or chemical anchors
Shockproof pole	Optional
Canopy cover	Optional
Environmental	
Operating Temperature	-25° +50° C
IP grade	IP55
IK grade	IK09
Relative humidity	5% - 95%
Altitude	2.000 mt
Charging Activation	
Recharge Activation	Card RFID (ISO 14443A) APP Phone or Web
Interfaccia Utente	Display 15' full-color touch APP
Connectivity	
Ethernet *(standard)*	RJ45 - 802.3 Ethernet network
Wi-Fi *(optional)*	IEEE802.11 b/g/n
Cellular Module *(optional)*	2G-4G LTE
Low range connectivity *(optional)*	Bluetooth Low Energy
Communication protocol	OCPP 1.6J - 2.0 Ready
Communication protocol *(optional)*	MQTT
Conformity	
Certifications	CE - RoHS

Series A1 7000

The A1 7000 range is a charging station intended for public and commercial use that offers one or two three-phase AC charging points of maximum power 22Kw. The product features a large and bright 55" touch display, to convey advertising messages, and an intuitive user interface for charging management.

Hotel

Small industries

Market

Parking lot

Type 2

Single-phase or three-phase

Alternating current

Multi-station power control

Costumizable interface

Design and manufacturing in Italy

A1 7000 C
Totem 3 phase Advertise

TYPE 2 SOCKET

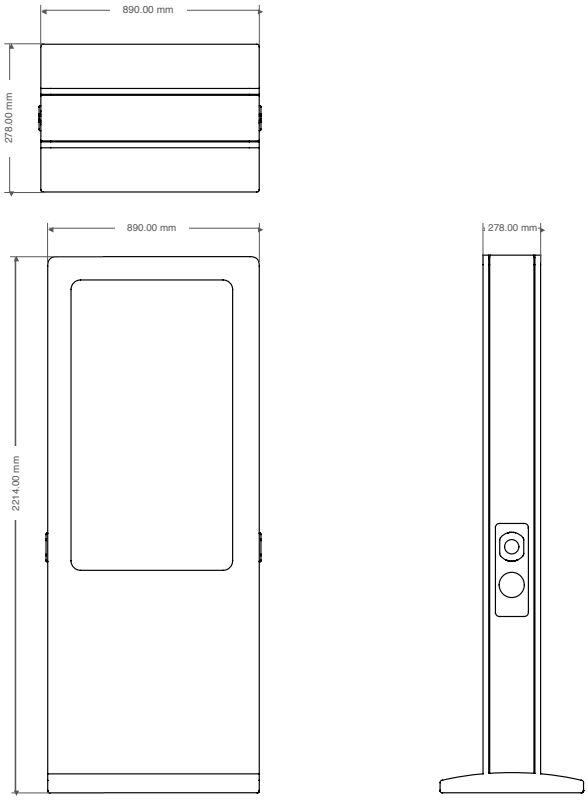
SINGLE-PHASE AND THREE-PHASE

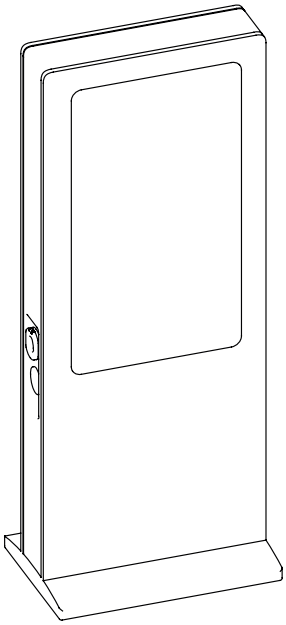
ALTERNATING CURRENT

RECHARGE MONITORING AND ADV

CONFORMITY

Dimensions





Customizable basic features*

Electronics	
Power Supply voltage	400 VAC
Frequency	50 Hz
Charging points	N. 1 (or 2) shutter socket
Max output power	22 kW (+ 22) kW three-phas
Max Corrent Consumption	32A (+ 32A)
Socket	Type 2
Charging mode	Mode 3
Multi-station power control	With standard A1S-200 accessory
Mechanics	
Dimensions	900 x 300 x 2215 mm
Weight	180 Kg
Standard materials	Weatherproof and anti-vandal treated sheet metal
UV Protection	Resistent
Optional materials	Stainless steel with your choice of finish
Graphic customization	Wrapping with customer customization
Pillar fixing	Grounded with anchor bolts or chemical anchors
Shockproof pole	Optional
Canopy cover	Optional independent
Environmental	
Operating Temperature	-25° +50° C
IP grade	IP54
IK grade	IK08
Relative humidity	5% - 95%
Altitude	2.000 mt
Charging Activation	
Recharge Activation	Card RFID (ISO 14443A) APP Phone or Web
User interface	55'' color display APP
Connectivity	
Ethernet *(standard)*	RJ45 - 802.3 Ethernet network
Wi-Fi *(optional)*	IEEE802.11 b/g/n
Cellular Module *(optional)*	2G-4G LTE
Low range connectivity *(optional)*	Bluetooth Low Energy
Communication protocol	OCPP 1.6J - 2.0 Ready
Communication protocol *(optional)*	MQTT
Conformity	
Certifications	CE - RoHS

DUAL MODE CHARGING STATIONS

A1 8000
Tower AC+DC

A1 8100
Wallbox AC+DC

Series A1 8000

The A1 8000 range consists of "Dual Mode" charging stations for public and commercial use, offering a 7.4-inch display and two charging points, one in AC at 22kW (mode 3) and one in DC at 20kW (mode 4) capable charging two electric vehicles in Fast Charge at once.

Hotel

Small industries

Market

Parking lot

TYPE 2 + CCS COMBO 2

Integrated 5m cable

AC DC

Dual mode (ac+dc)

Multi-station power control

Costumizable interface

Design and manufacturing in Italy

A1Charge

A1 8000
Tower Dual Mode AC+DC

TYPE 2 + CCS COMBO 2- CABLE 5m

AC DC

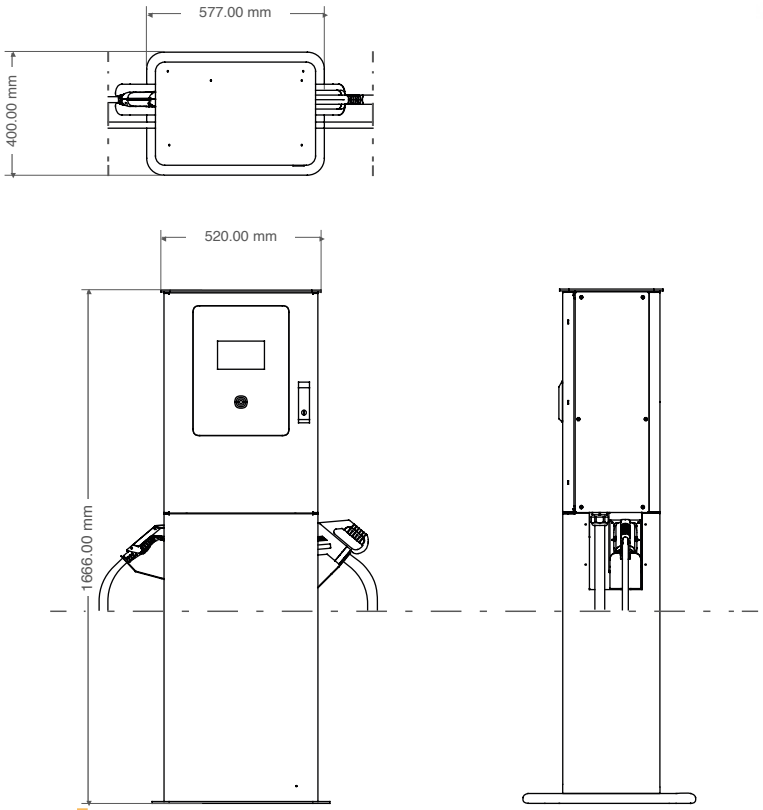
DUAL MODE (AC+DC)

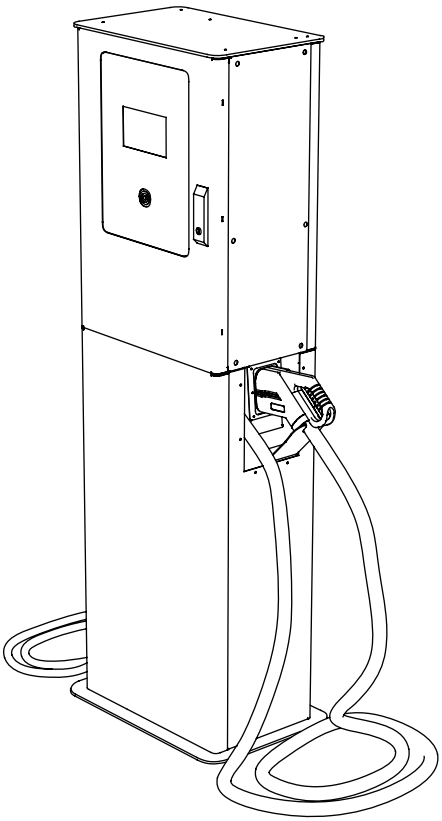
RECHARGE MONITORING

RoHS 2011/65/EU CE

CONFORMITY

Dimensions





Electronics	
Power Supply voltage	400 VAC
Frequency	50/60Hz
DC Charging Points	No.1 with 5m Cable CCS Combo 2
AC Charging Points	No.1 with 5m Cable Type 2
Max output power	20 kW DC + 22 kW AC
Max Corrent Consumption	500 VDC
Charging mode	Mode 4, Mode 3
Efficiency	> 97%
Mechanics	
Dimensions	500 x 300 x 1666 mm
Weight	120 Kg
Standard materials	Weatherproof and anti-vandal treated sheet metal
Saline solution Procitection	Resistent
UV Protection	Resistent
Optional materials	Stainless steel with your choice of finish
Graphic customization	Wrapping with customer customization
Pillar fixing	Grounded with anchor bolts or chemical anchors
Shockproof pole	Optional
Canopy cover	Optional independent
Environmental	
Operating Temperature	-25° +50° C
Storage Temperature	-40° +80° C
IP grade	IP54
IK grade	IK9
Relative humidity Altitude	5% - 95% 0-2.000 mt
Charging Activation	
Recharge Activation	Card RFID (ISO 14443A) APP Phone or Web
User interface	Display 7" full-color touch (optional 15") APP
Connectivity	
Ethernet *(standard)*	RJ45 - 802.3 Ethernet network
Wi-Fi *(optional)*	IEEE802.11 b/g/n
Cellular Module *(optional)*	2G-4G LTE
Low range connectivity *(optional)*	Bluetooth Low Energy
Communication protocol	OCPP 1.6J - 2.0 Ready
Communication protocol *(optional)*	MQTT
Conformity	
Certifications	CE - RoHS

A1 8100
Wallbox Dual Mode AC+DC

TYPE 2 + CCS COMBO 2- CABLE 5m

AC DC

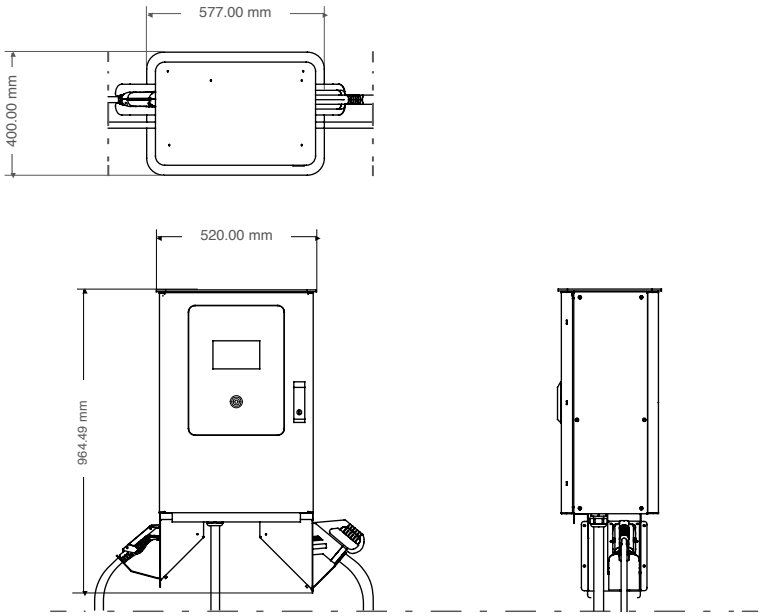
DUAL MODE (AC+DC)

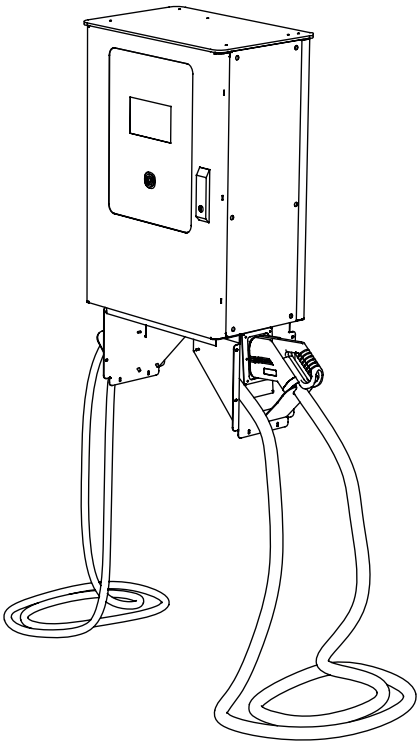
RECHARGE MONITORING

RoHS 2011/65/EU CE

CONFORMITY

Dimensions





Electronics	
Power Supply voltage	400 VAC
Frequency	50/60Hz
DC Charging Points	No.1 with 5m Cable CCS Combo 2
AC Charging Points	No.1 with 5m Cable Type 2
Max output power	20 kW DC + 22 kW AC
Max Corrent Consumption	500 VDC
Charging mode	Modo 4, Modo 3
Efficiency	> 97%
Mechanics	
Dimensions	500 x 300 x 715 mm
Weight	60 Kg
Standard materials	Weatherproof and anti-vandal treated sheet metal
Saline solution Procitection	Resistent
UV Protection	Resistent
Optional materials	Stainless steel with your choice of finish
Graphic customization	Wrapping with customer customization
Pillar fixing	With wall plugs
Canopy cover	Optional independent
Environmental	
Operating Temperature	-25° +50° C
Storage Temperature	-40° +80° C
IP grade	IP54
IK grade	IK9
Relative humidity	5% - 95%
Altitude	0-2.000 mt
Charging Activation	
Recharge Activation	Card RFID (ISO 14443A) APP Phone or Web
User interface	Display 7" full-color touch (optional 15") APP
Connectivity	
Wi-Fi *(standard)*	IEEE802.11 b/g/n
Ethernet *(optional)*	RJ45 - 802.3 Ethernet network
Cellular Module *(optional)*	2G-4G LTE
Low range connectivity *(optional)*	Bluetooth Low Energy
Communication protocol	OCPP 1.6J - 2.0 Ready
Communication protocol *(optional)*	MQTT
Conformity	
Certifications	CE - RoHS

ULTRA FAST CHARGING STATIONS

A1 9060
DC charging station

Series A1 9000

The A1 9000 range consists of Ultra Fast DC charging stations with progressive powers from 60kW up to 150kW and a range of configurable accessories.

Stations

Industries

Terminals

Parking lot

CCS COMBO 2 + 5m cable

Optional sockets

DC

DC Current

Multi-station power control

Costumizable interface

Design and manufacturing in Italy

A1Charge

A1Charge

A1 9060
Ultra fast charging station

CCS COMBO 2- CABLE 5m

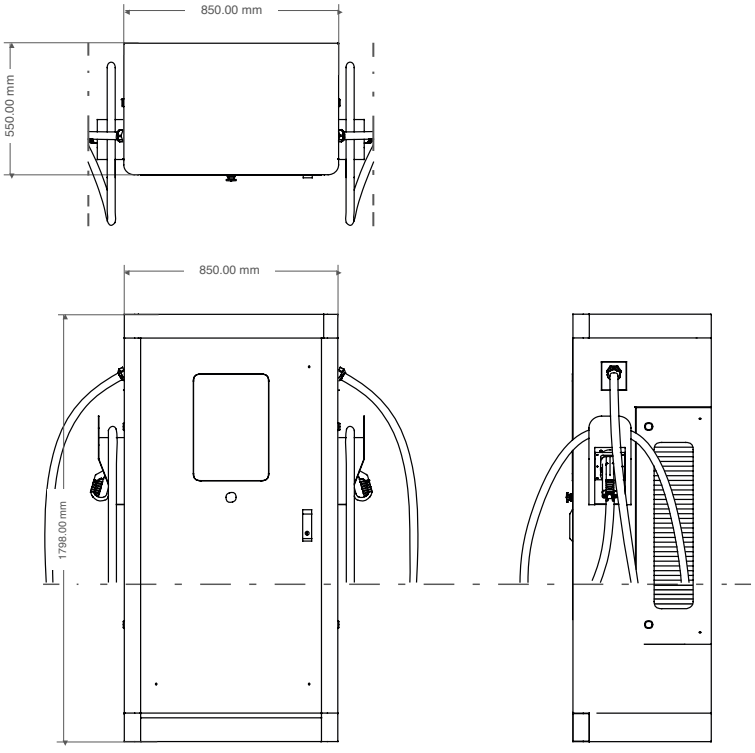
OPTIONAL

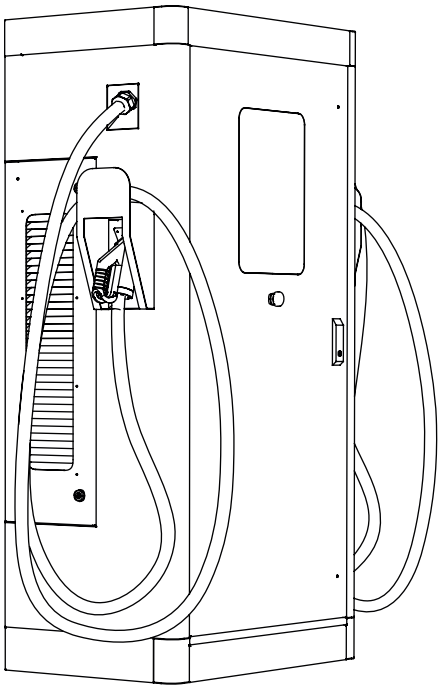
DC CURRENT

RECHARGE MONITORING

CONFORMITY

Dimensions





Electronics	
Power Supply voltage	400 VAC
Frequency	50 Hz
Phases	Three-phase
Charging Points	No. 2 - Cables 5m - CCS Combo 2 connectors
Max output power	60 kW DC, 90 kW DC, 120 kW DC, 150 kW DC
Max Corrent Consumption	1.000 VDC
Charging mode	Mode 4
Mechanics	
Dimensions	1200 x 750 x 1650 mm
Weight	350 Kg
Materiale di serie	Weatherproof and anti-vandal treated sheet metal
Saline solution Procitection	Resistent
UV Protection	Resistent
Optional materials	Stainless steel with your choice of finish
Graphic customization	Wrapping with customer customization
Pillar fixing	Grounded with anchor bolts or chemical anchors
Shockproof pole	Optional
Canopy cover	Optional independent
Environmental	
Operating Temperature	-25° +50° C
Storage Temperature	-40° +80° C
IP grade	IP54
IK grade	IK9
Relative humidity	5% - 95%
Altitude	0-2.000 mt
Charging Activation	
Recharge Activation	Card RFID (ISO 14443A) APP Phone or Web
User interface	Display 15" full-color touch (optional 7") APP
Connectivity	
Ethernet *(standard)*	RJ45 - 802.3 Ethernet network
Wi-Fi *(optional)*	IEEE802.11 b/g/n
Cellular Module *(optional)*	2G-4G LTE
Low range connectivity *(optional)*	Bluetooth Low Energy
Communication protocol	OCPP 1.6J - 2.0 Ready
Communication protocol *(optional)*	MQTT
Conformity	
Certifications	CE - RoHS

Accessories

Dynamic load management

By monitoring the load of household utilities, the accessory allows the car to be recharged at maximum power without exceeding consumption limits.

Multi-station power control

The automatable and easily programmable device enables intelligent load management for multi-station charging facilities.

Energy consumption monitoring

The accessory allows monitoring of energy consumption and by type of utility.

NEW 2024

Parking Lot Monitoring - *Patent pending*

Wireless device that allows monitoring of the parking slot where the charging station is positioned. It detects inappropriate use of the space reserved for electric vehicles during their charging modes. The system communicates holistically with the charging station, reporting any anomalies in real-time.

NEW 2024

EV Automatic Recognition System - *Patent pending*

An intelligent function that allows associating the appropriate charging station with the electric vehicle to be charged and vice versa, thus accessing various services including automatic payment and other functions.

NEW 2024

V2G, V2H e Cybersecurity feat - *Optional*

V2G is a function for public and domestic smart grids to enable intelligent bidirectional charging and discharging according to protocol 15118. Cybersecurity function for electric vehicle charging infrastructure to be finalized according to upcoming regulations. Bidirectional DC-coupled electric-vehicle (only EVs V2G ready) charger enables vehicle-to-home and vehicle-to-grid applications and can seamlessly integrate with its home energy systems.
For these functions, please ask to our experts.


EV

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