Electric Vehicles

Charging solutions for electric vehicles

Spark

The economic and robust solution up to 4 sockets

Technical features

General presentation

Enclosure	Front : reinforced polycarbonate Casing : stainless steel 304 Foot stand: steel with anticorrosion treatment
Colour	Front : digital printing Technology (option : stickers customization) Casing and foot stand : RAL 7011
Dimensions (h x d x w)	Wall-mounted version : 580 x 380 x 220 mm Pole-mounted version : 1255 x 380 x 220 mm
Weight	Wall-mounted version : 20 kg ; 25 kg Pole-mounted version : 30 kg ; 35 kg
IP Index	Station : IP 54 Plug : IP 44
Shock resistance index	IK 10
Temperature	From -20°C to +50°C
Humidity index	5-90%
Warranty	2 years

Connectivity and HMI

Display	LCD monochrome 4-line alphanumeric display
User interface	LED band
Communication protocol	OCPP 1.5 / OCPP 1.6
Communication	3G, LAN
RFID	ISO14443A/B/B' (Mifare, Calypso, Desfire, NFC reader mode) **Other specificities on demand**

Settings and power supply

Number of charging points	2 charging points
Number of sockets	- 2 sockets (2 charging points) - 4 sockets (2 charging points)
Connector type	Type 2S mode 3 socket
Power delivered	From 3 to 22kW per socket
Output voltage	230V AC +/-10% (single-phase configuration) 400V AC +/-10% (three-phase configuration)
Output current	0-32A AC depending on configuration
On-load protection	Locking system for Type 2S socket (option)
Electrical protection	Integrated MCB and RDC 30mA

Norms and certifications

- Compatible with E.V. Ready 1.4
- NFC 15-100
- IEC 61851-1 and 61851-22
- IEC 62196-1 and 62196-2

CE

Non-contractual pictures

Perfect solution for corporate fleets

Customized design

Scalable to ISO-15118 et OCPP 2.0 norms

Designed and made in France

Wall-mounted version

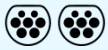
Pole-mounted version

Non-contractual pictures

SPARK CONFIGURATION

1. Plugs configuration

Ref. SPK-**XXX**-A-XX-X-X-X

Configuration		Ref.
2 charging points  2 type 2S sockets	**2 type 2S sockets in 3kW** (0 to 100% charge in ≃6-8h*)	242
	2 type 2S sockets in 7kW (0 to 100% charge in ≃3h*)	246
	2 type 2S sockets in 11kW (0 to 100% charge in ≃2h*)	249
	2 type 2S sockets in 22kW (0 to 100% charge in ≃1h*)	251

* Average charging time for an EV with 24kWh battery

Configuration examples,
please contact us for any specific configuration

2. Start the charge

Ref. SPK-XXX-A-**XX**-X-X-X

Plug and Charge
Ref. 11*

Push button
Ref. 12*

Key switch
Ref. 21*

RFID tag
Ref. 25
Desactivated RFID on demand

* with local management only

3. Management and monitoring

Ref. SPK-XXX-A-XX-**X**-X-X

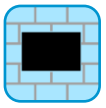
Local management
Ref. I

Remote control
Ref. D

4. Installation and Mounting

Ref. SPK-XXX-A-XX-X-**X**-X

Pole-mounted version
Delivered with its installation pad
Ref. P



Wall-mounted version
Screws not supplied
Ref. W

5. Options

Ref. SPK-XXX-A-XX-X-X-**X**

Option	Ref.
Stickers customization: customized stickers on the station for ultimate configuration	B
Timer: set up timer to charge only at selected hours of the day	C
Key switch for peak-times and off-peak times: set up timer to charge only during peak hours/off-peak hours	D
Non simultaneous charging: disable simultaneity	E
General energy meter : metering of the total consumption of the station	F
General MID meter : MID certified metering of the total consumption of the station	G2
Individual energy meter: metering of the consumption per charging point	K

Option	Ref.
Simultaneous charging: 2 sockets charging at the same time	L1
Locking system: on-load mechanical locking system for type 2S sockets	N
Surge protection : protection against overvoltage	P
Three-phase electrical connection for a single-phase configuration: to equilibrate the phases	Y
MID individual meter : MID certified metering of the consumption per charging point	Z1

For any specific equipment, please contact us.

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