



Electric Vehicles

Charging solutions for electric vehicles

# Spark

The economic and robust solutions up to 2 charging points

## Technical features

### General presentation

Enclosure	Front : colourless reinforced polycarbonate Casing : stainless steel 304 Foot stand: stainless steel 304
Colour	Front : RAL 9005 (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 : 27kg ; 31,5 kg Pole-mounted version : 39kg ; 43,5 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	1 to 2 charging points
Number of sockets	- 1 socket (1 charging point) - 2 sockets (1 or 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 selon la 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 et 61851-22
- IEC 62196-1 et 62196-2



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 in 3kW (0 to 100% charge in ≈6-8h*) <b>242</b>
	2 type 2S sockets in 7kW (0 to 100% charge in ≈3h*) <b>246</b>
	2 type 2S sockets in 11kW (0 to 100% charge in ≈2h*) <b>249</b>
2 type 2S sockets	2 type 2S sockets in 22kW (0 to 100% charge in ≈1h*) <b>251</b>

\* Average charging time for an EV with 24kWh battery

Configuration examples,  
please consult 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 dimensions

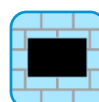
Ref. SPK-XXX-A-XX-X-X-X



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

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

For any specific equipment, please consult us.