Electric Vehicles

Charging solutions for electric vehicles

Keren

The smart dual outlet for public area

Non-contractual picture

Technical features

General presentation

Enclosure	Steel with anti-corrosion treatment
Colour	RAL 7011 (option : RAL on demand)
Dimensions (h x d x w)	1450 x 639 x 350 mm
Weight	Around 65 kg
IP index	Casing : IP 55 Plugs : IP 54
Shock resistance index	IK 10
Temperature	From -25°C to +50°C
Humidity index	5-95%
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	- 2 sockets (1 or 2 charging points) - 4 sockets (2 charging points)
Connector type	Type 2S mode 3 socket
Power Delivered	From 3 to 22 kW per socket
Output voltage	230V AC ±10% (single-phase configuration) 400V AC ±10% (three-phase configuration)
Output current	0-32A AC depending on the configuration
On-load protection	Doors locking system
DNO integration	Dedicated space for DNO connection box integration inside the charger C14-100 (option)
Electrical protection	Integrated MCB and RDC 30mA

Dedicated space for DNO integration

Connected charger

Scalable to ISO-15118 et OCPP 2.0 norms

Designed and made in France

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

C14-100 control board

Ref. PDL-KRN

Dedicated space for C14-100 control board integration with an independent access to the interconnection box with the network grid

KEREN CONFIGURATION

1. Plug configuration

Ref. KRN-**XXX**-A-XX-X-P-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 consult us for any specific configuration

2. Start the charge

Ref. KRN-XXX-A-**XX**-X-P-X

Plug and Charge

Push button

Key switch

RFID tag
Ref. 25
Disabled RFID on demand

3. Management and monitoring

Ref. KRN-XXX-A-XX-**X**-P-X

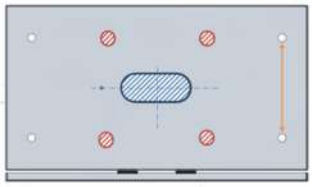
Local management
Ref. I

Remote control
Ref. D

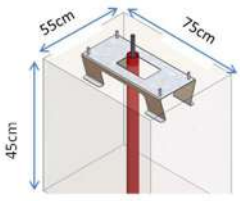
4. Installation and dimensions

Ref. KRN-XXX-A-XX-X-**P-X**

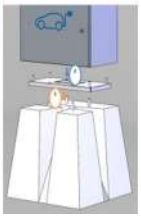
Chemical sealing
at the base of the charger
Ref. P



Installation anchor (option)
Ref. KRN-01



Adaptator plate (option)
for existing precast concrete basement
basement not supplied - **Ref. RH-KRN**



5. Options

Réf. KRN-XXX-A-XX-X-P-**X**

Option	Ref.
RAL on demand : customization of the charging station	A
Stickers customization : custom stickers on the station for ultimate configuration	B
Detection loop: car detection on a carpark place dedicated to one charging point - 1 parking place - 2 parking places	B0 B1
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
Wireless detection sensor: car detection on a carpark place dedicated to one charging point via a wireless sensor - 1 parking place - 2 plarking places	D0 D1

Option	Ref.
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
Maintenance socket : to power equipment during a technical operation on the charger	H2
Individual energy meter: metering of the consumption per charging point	K
Simultaneous charging: 2 sockets charging at the same time	L1
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 consult us.

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