



Electric Vehicles

Charging solutions for electric vehicles

Ultra

The evolutive high power charger

Technical Features

General presentation

Enclosure	Stainless steel 304 with anti-graffiti coating
Colour	RAL 9003 / RAL 7016
Temperature	From -10°C to +50°C
Cold option	From -30°C to +50°C
Storage temperature	From -10°C to +60°C
Humidity index	5% to 95% (non-condensing)
Maximum altitude	2000 meters
Dimensions (d x w x h)	735 x 998 x 2000 mm (without charging points)
Weight	550 kg maximum
IP index	Connectors : IP44 Enclosure : IP54
Shock resistance index	Enclosure : IK10 Display : IK09

Connectivity and HMI

Display	7" colour touch-screen
Communication protocol	OCPP 1.5 and OCPP 1.6
Communication	3G, LAN
RFID	ISO14443A/B/B' (Mifare, Calypso, Desfire, NFC reader mode) Other features on demand
Metering	Individual energy meter (standard) MID individual meter (option)

Power supply

Input voltage	400V ±10%, 50Hz ±5%, 3P+N+T
Maximum input power and current	223kW, 382A
Power factor	> 0.97
Electrical protection	Integrated MCBs and RDCs 30 mA Surge protector

DC output

DC charging point	Yes
DC voltage	50 - 500V
DC current	Up to 378A DC
DC Power @400V	150kW
Efficiency	95%
DC standards	CHAdeMO 0.9, CCS 2 (DIN70121:2014)
Cable	Usable length 4m

AC output

AC charging point	Type 2S attached cable or socket
AC power	43kVA (63A) or 22 kVA (32A)
AC standards	Compliance with EV Ready 1.4
Cable	Usable length 4m

Compliances



Non-contractual pictures



Simultaneous DC charging



Intuitive and connected interface



Scalable power from 50kW to 150kW



















Designed and made in France



Non-contractual pictures

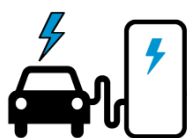
1. Plug configuration

Ref. NG-XXX-X-25-M-P-X-XXX

Configuration		Ref.	Configuration		Ref.
1 CHARGING POINT	 1 DC type CHAdeMO or 1 DC type CCS	1 DC CHAdeMO plug with tethered cable 120	3 CHARGING POINTS	  	1 DC CHAdeMO plug with tethered cable 1 DC CCS type 2 plug with tethered cable 1 AC type 2 22kW plug with tethered cable 313
		1 DC CCS type 2 plug with tethered cable 122		 	1 DC CHAdeMO plug with tethered cable 1 DC CCS type 2 plug with tethered cable 1 AC type 2 22kW socket 314
2 CHARGING POINTS	 	1 DC CHAdeMO plug with tethered cable 1 AC 43kW with tethered cable 267		 	1 DC CHAdeMO plug with tethered cable 1 DC CCS type 2 plug with tethered cable 1 AC 43kW plug with tethered cable 315
		1 DC CHAdeMO plug with tethered cable 269		1 AC type 2 2	2 DC CHAdeMO plugs with tethered cable 1 AC type 2 22kW plug with tethered cable 326
		1 DC CHAdeMO plug with tethered cable 1 AC type 2 22kW socket 285			1 DC type CHAdeMO
		1 DC CCS type 2 plug with tethered cable 1 AC 43kW with tethered cable 294		1 DC type CCS	
		1 DC CCS type 2 plug with tethered cable 1 AC type 2 22kW socket 295			
		1 DC CHAdeMO plug with tethered cable 1 AC type 2 22kW plug with tethered cable 296			
		1 DC CCS type 2 plug with tethered cable 1 AC type 2 22kW plug with tethered cable 297			
		2 DC CHAdeMO plugs with tethered cable 299			

2. DC power management

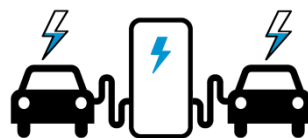
Ref. NG-XXX-X-25-M-P-X-XXX



Mono DC

Ref. O

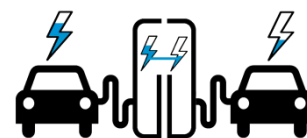
A unique DC charging point (CCS Combo or CHAdeMO) delivers 100% of the available DC power. Configuration with 1 DC cable or 1 DC cable + 1 AC cable



Shared

Ref. D

The DC power is equally divided between the 2 charging points.



Premium

Ref. P

The DC power is delivered on 1 or 2 DC charging points, depending on the status and the EV charging requirements. Recommended for multistandard EV stations.

3. DC total power

Ref. NG-XXX-X-25-M-P-X-XXX

Power	Ref.
50kW DC	2
75kW DC	3
100kW DC	4
150kW DC	5

4. Options

Ref. NG-XXX-X-25-M-P-X-XXX

Car detection	Ref.	Metering and other options	Réf.
Detection loop: car detection on a carpark place dedicated to one charging point	B0	MID individual meter : MID certified measuring of the consumption per charging point	Z1
- 1 parking place	B1	Cold option : operating temperature until -30°C	V
- 2 parking places	B2	DC scalable power : preparation to increase DC power up to 150kW	F2
- 3 parking places		Stickers customization : personalized doors' labelling	B

For any specific equipment, please contact us.