

# Ultra

The evolutive and high-power charger



EV charging



Non-contractual pictures



## General presentation

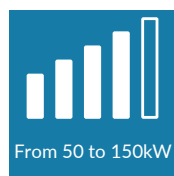
Materials	Stainless steel 304
Colour	RAL 9003 and RAL 7016
Dimensions (d x w x h)	735 x 998 x 2000 mm (without charging points)
Mass	550 kg maximum
IP index	IP54 (enclosure) / IP44 (connectors)
Shock resistance index	IK10 (enclosure) / IK09 (display)
Temperature	From -10°C to +50°C
Cold option	From -30°C to +50°C
Storage temperature	From -10°C to +60°C
Humidity index	From % to 95% (non-condensing)
Maximum altitude	2000 meters
Simultaneity DC & AC/DC	Yes
Power delivered in AC/DC	Up to 172kW (AC T2S 22kW socket) or 193 kW (AC T2 43kW connector)



Simultaneous  
DC & AC/DC  
charging



Intuitive and  
connected  
interface



From 50 to 150kW

Scalable  
power



Made in France



## Connectivity & HMI

Display	7" colour touch-screen
Communication protocol	OCPP 1.5 ; OCPP 1.6
Communication mode	4G, LAN (option)
RFID	ISO 14443 A/B/B' (Mifare, Calypso, Desfire, NFC reader mode) Other features on demand
Remote maintenance	Observer® digital platform by DBT



## Power supply

Input voltage	400V $\pm 15\%$ , 50Hz $\pm 5\%$ , 3P+N+T
Maximum current	332A (@340VAC)
Power factor	> 0.97
Electrical protection	Integrated MCBs and RDCs 30mA Surge protector
Metering	MID individual meters
Neutral point treatment	TT or TN-S



## Outputs

### DC output

DC charging point	Up 2 simultaneous charging points
DC voltage	50 - 500V
DC current	Up to 375A DC
DC power @400V	Up to 150kW
Efficiency	95 % (nominal current)
DC standards	CHAdeMO 0.9, CCS 2 (DIN70121:2014)
Cable	Usable length 4 meters

### AC output

AC charging point	Type 2 tethered cable or type 2S socket
AC power	43kVA (63A) or 22kVA (32A)
Cable	Usable length 4 meters



Non-contractual pictures



## Compliances



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# ULTRA CONFIGURATION

## 1. Connectors configuration



### 1 charging point

Description	Code
1 DC CHAdeMO connector with tethered cable	120
1 DC CCS connector with tethered cable	122

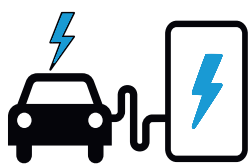
### 2 charging points

Description	Code
1 DC CHAdeMO connector with tethered cable	267
1 AC type 2 43kW connector with tethered cable	269
1 DC CHAdeMO connector with tethered cable	269
1 DC CCS connector with tethered cable	285
1 AC type 2S 22kW socket	294
1 DC CCS connector with tethered cable	294
1 AC type 2 43kW connector with tethered cable	295
1 DC CCS connector with tethered cable	295
1 AC type 2S 22kW socket	296
1 DC CHAdeMO connector with tethered cable	296
1 AC type 2 22kW connector with tethered cable	297
1 DC CCS connector with tethered cable	297
1 AC type 2 22kW connector with tethered cable	298
2 DC CCS connectors with tethered cables	298
2 DC CHAdeMO connectors with tethered cables	299

### 3 charging points

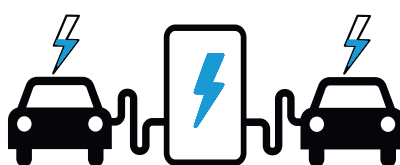
Description	Code
1 DC CHAdeMO connector with tethered cable	313
1 DC CCS connector with tethered cable	313
1 AC type 2 22kW connector with tethered cable	314
1 DC CHAdeMO connector with tethered cable	314
1 DC CCS connector with tethered cable	314
1 AC type 2S 22kW socket	315
1 DC CHAdeMO connector with tethered cable	315
1 DC CCS connector with tethered cable	315
1 AC type 2 43kW connector with tethered cable	326
2 DC CHAdeMO connector with tethered cable	326
1 AC type 2 22kW connector with tethered cable	327
2 DC CCS connector with tethered cable	327
1 AC type 2 22kW connector with tethered cable	328
2 DC CHAdeMO connector with tethered cable	328
1 AC type 2S 22kW socket	329
2 DC CCS connectors with tethered cables	329
1 AC type 2S 22kW socket	330
2 DC CHAdeMO connectors with tethered cables	330
1 AC type 2 43kW connector with tethered cable	331
2 DC CCS connectors with tethered cables	331
1 AC type 2 43kW connector with tethered cable	331

## 2. DC power management



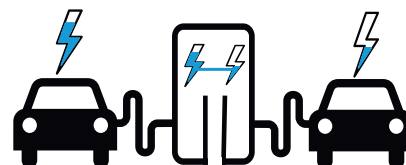
Mono DC  
Code **O**

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



Shared  
Code **D**

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



Premium  
Code **P**

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

## 3. DC total power

Description	Code
50kW DC	2
75kW DC	3
100 kW DC	4
150kW DC	5

## 4. Options

Description	Code
<b>Stickers customisation:</b> personalised doors' labelling	B
<b>Detection loop (1,2 or 3):</b> car detection on a carpark place dedicated to 1 charging point	
- 1 parking place	B0
- 2 parking places	B1
- 3 parking places	B2
<b>Wireless detection sensor:</b> car detection on a carpark place dedicated to 1 charging point via a wireless sensor	
- 1 parking place	D0
- 2 parking places	D1

Description	Code
<b>DC scalable power:</b> pre-fitted equipment to increase DC power	F2
<b>Cold option:</b> operating temperature until -30°C	V
<b>EPT terminal:</b> contactless payment terminal	R1
<b>LAN connection</b>	I2

For any specific equipment,  
please contact us.