

# EVBox Ultroniq

## ultra fast charging solution

EVBOX














Charges up to 400 km in less than 15 mins (350 kW)

Equipped with a power output of 175 kW up to 350 kW, and provides up to 500 A continuously (can also provide 360 A to two cars simultaneously)

Provides an exceptional user experience with ergonomic, 4.5 m auto-retractable cables

Scalable thanks to its flexible architecture, evolves easily with the market, and safeguards your investment

Fully reliable with an integrated cooling unit, liquid cooled cables, and rugged high-impact housing made to last

-  175–350 kW fast charging capacity
-  Anti-glare, color touchscreen with 4 languages
-  Flexible architecture
-  Tariff settings
-  Universally compatible
-  Roaming
-  Auto-retractable cables
-  Easy transportation, installation and maintenance
-  Advanced cooling and heating system
-  Remote maintenance
-  3-year warranty
-  Liquid cooled cable
-  Smart charging capable



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## EVBox Ultroniq Power Unit 375 A (PU)

- This station does not include any charging connectors
- This station must be connected to a EVBox Ultroniq User Unit
- Equipped with an AC / DC converter
- Equipped with a DC controller
- Equipped with integrated energy meters
- Equipped with independent AC and DC electrical protections



## EVBox Ultroniq User Unit 200 A (UU)

- Up to 175 kW / 950 V
- This station must be connected to a EVBox Ultroniq Power Unit
- Includes one or two charging connector
- Does not include an AC / DC converter
- Equipped with an HMI controller
- Equipped with a dry cable
- Available with both CCS2 and CHAdeMO connectors



## EVBox Ultroniq User Unit 500 A (UU)

- Up to 350 kW / 950 V
- This station must be connected to a EVBox Ultroniq Power Unit
- Includes one or two charging connector
- Does not include an AC / DC converter
- Equipped with an HMI controller
- Equipped with an integrated cooling system for cooling the charging cable
- Equipped with a liquid cooled cable
- Available with both CCS2 and CHAdeMO connectors



# Product configurations



## Configuration A

1 x EVBox Ultroniq Power Unit 375 A + EVBox Ultroniq User Unit 200 A

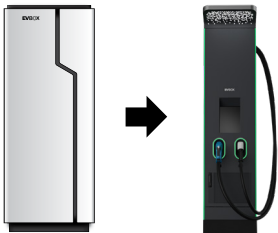
**EVBox Ultroniq 175 kW / 200 A**



## Configuration B

1 x EVBox Ultroniq Power Unit 375 A + EVBox Ultroniq User Unit 500 A with integrated cooling unit

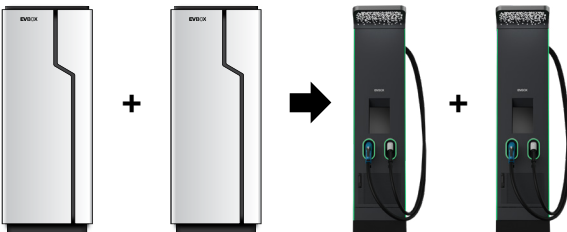
**EVBox Ultroniq 175 kW / 375 A**



## Configuration C

2 x EVBox Ultroniq Power Unit 375 A + EVBox Ultroniq User Unit 500 A with integrated cooling unit

**EVBox Ultroniq 350 kW / 500 A**



**More configurations are available thanks to the flexible architecture.**

# General specifications



## Charging modes

### Mode 4 (DC charging)

CHAdeMO up to 500 V / 200 A / 100 kW  
CCS2 up to 950 V / 200 A / 175 kW  
CCS2 up to 950 V / 375 A / 175 kW  
CCS2 up to 950 V / 500 A / 350 kW

## Connector type

### Mode 4

CCS2 dry cable and CHAdeMO (UU 200)  
CCS2 cooled cable and CHAdeMO (UU 500)

## Cable length

### Mode 4

4.5 m with auto-retractable cable

## Structure and physical properties

### Enclosure material

Galvanized steel (structure), aluminum (casing), stainless steel (feet)

### Enclosure ratings

IP54 / IK10

### Ambient temperature

-30°C to +50°C

### Storage temperature

-40°C to +70°C

### Operating humidity

5% to 95% non-condensing

### Enclosure fire ratings

M3 (NF P 92-501)

### Cooling

Forced ventilation

### Mounting method

Floor / Ground (optional with clamping-sealing kit)

### Maximum installation height

< 2000 m

## Dimension (W x H x D) and weight

### EVBox Ultroniq Power Unit 375 A

705 x 1920 x 930 mm / 1260 kg

### EVBox Ultroniq User Unit 200 A

331 x 1895 x 467 mm / 88 kg

### EVBox Ultroniq User Unit 500 A

595 x 2750 x 765 mm / 350 kg

## Connectivity

### Authorization

RFID/NFC (ISO 14443, ISO 18092, ISO 15693, ISO 18000-3, Calypso, Mifare Ultralight C, Classic, Desfire)

### Status indication / HMI

RGB LED Indicators / 7" anti-vandalism LCD touch screen

### Communication standard

GPRS/3G modem and Ethernet

### Communication protocol

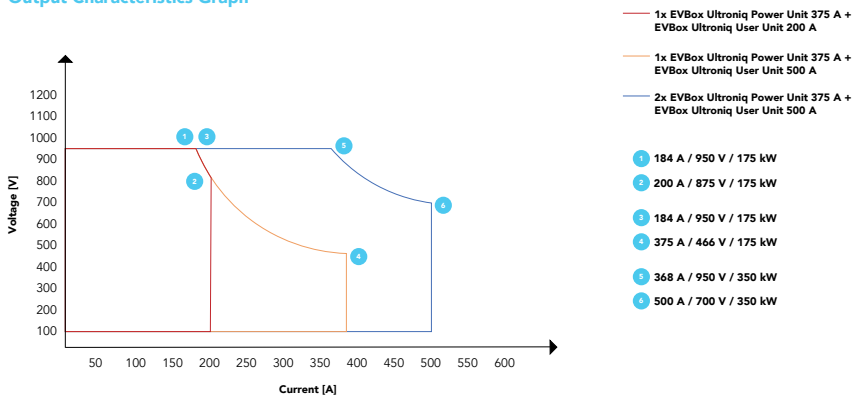
OCPP 1.5 S and 1.6 J

## Certifications

CE, EMC Directive 2014/30/EU, Low Voltage Directive 2014/35/EU, EN/IEC 61851-1, EN/IEC 61851-21-2, EN/IEC 61851-23, DIN 70121, ISO15118, CHAdeMO

	Configuration A EVBox Ultroniq 175 kW / 200 A	Configuration B EVBox Ultroniq 175 kW / 375 A	Configuration C EVBox Ultroniq 350 kW / 500 A
<b>AC input (EVBox Ultroniq Power Unit 375 A)</b>			
<b>Voltage range</b>	400 VAC +/- 10%		
<b>Number of phases</b>	3 P + N + PE		
<b>Frequency</b>	50 Hz		
<b>Power factor</b>	> 0.98		
<b>Efficiency</b>	95%		
<b>Grounding system</b>	IT, TT or TN-S		
<b>Stand-by power consumption</b>	100 W + 40 W	100 W + 40 W	100 W + 100 W + 40 W
<b>Required power supply capacity</b>	177 kVA	184 kVA	2 x (184 kVA)
<b>Nominal input current</b>	253 A	263 A	2 x (263 A)
<b>DC output</b>			
<b>Maximum output power</b>	175 kW	175 kW	350 kW
<b>Output voltage range</b>	50 VDC – 950 VDC	50 VDC – 950 VDC	50 VDC – 950 VDC
<b>Maximum output current</b>	184 A @ 950 V 200 A @ 875 V	184 A @ 950 V 375 A @ 466 V	368 A @ 950 V 500 A @ 700 V
<b>Electrical protections</b>			
<b>Internal electrical protections</b>	RCBO 30 mA Type A; MCB curve C/D; DC output fuses; 10 mA ground detector		
<b>Required circuit breakers upstream</b>	Adjustable MCCB, set to: $I_o = 270 \text{ A} / I_{sd} = x 10$ & RCD 300 mA, Type A, HI, (S)		2 x (Adjustable MCCB, set to: $I_o = 270 \text{ A} / I_{sd} = x 10$ ) & 2 x (RCD 300 mA, Type A, HI, (S))

## Output Characteristics Graph



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