

# EVBox Troniq 100

EVBOX

fast charging solution

100 kW














Charges up to 250 km in just 30 minutes

Ideal charging speed for all (new) electric cars on the market

Made to last with auto-retractable cables, high quality power electronic components, and more

Functions as a standalone charger, without the need of another unit

Compatible with all electric cars, with CCS 2, CHAdeMO and AC Type 2 connectors

-  100 kW fast charging capacity
-  Anti-glare, color touchscreen with 4 languages
-  Tariff settings
-  Universally compatible
-  Roaming
-  Utility power cabinet
-  Auto-retractable cables
-  Easy transportation, installation and maintenance
-  Advanced cooling and heating system
-  Remote maintenance
-  3-year warranty
-  Flexible architecture
-  Smart charging capable

[evbox.com](https://evbox.com)



# Product portfolio



## EVBox Troniq 100

- Works as a standalone charger
- AC socket and DC charging connectors are included in the housing
- Can charge AC and DC simultaneously
- Has an AC / DC converter
- Includes AC and DC controllers
- Has independent AC and DC electrical protections



## General specifications

### Charging modes

**Mode 4 (DC charging)**

**Mode 3 (AC charging)**

CCS2 and CHAdeMO up to 200 A - 500 VDC

Socket type 2 up to 22 kW

### Connector type

**Mode 4**

**Mode 3**

JEVS G105 (CHAdeMO), CCS2

Type 2 socket (22 kW)

### Cable length

**Mode 4**

**Mode 3**

**Mode 2**

3 m reach effortless thanks to high tipping point

4.3 m with cable management activated

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### Structure and physical properties

**Enclosure material**

**Enclosure ratings**

**Operating temperature**

**Storage temperature**

**Operating humidity**

**Enclosure fire ratings**

**Cooling**

**Mounting method**

**Maximum installation height**

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

IP54 / IK10

-30°C to +50°C

-40°C to +70°C

5% to 95% non-condensing

M3 (NF P 92-501)

Forced ventilation

Floor / Ground (recommended with the optional clamping-sealing kit)

< 2000 m

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

**EVBox Troniq 100**

1000 x 2217 x 1006 mm / 600 kg

### Connectivity

**Authorization**

**Status indication / HMI**

**Communication standard**

**Communication protocol**

**Positioning**

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

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

GPRS/3G modem and Ethernet

Ready for OCPP 2.0

GPS

### Certifications

CE, EMC Directive 2014/30/EU, Low Voltage Directive 2014/35/EU, EN/IEC 61851-1, EN/IEC 61851-21-2, EN/IEC 61851-22, EN/IEC 61851-23, DIN 70121, ISO15118, CHAdeMO, EV/ZE-Ready

# Electrical properties



## AC input

<b>Voltage range</b>	400 VAC +/- 10%
<b>Number of phases</b>	3 P + N + PE
<b>Frequency</b>	50 Hz
<b>Required power supply capacity</b>	To be defined
<b>Nominal input current</b>	To be defined
<b>Power factor</b>	> 0.99
<b>Efficiency</b>	95%
<b>Grounding system</b>	IT, TT or TN-S
<b>Stand-by power consumption</b>	To be defined

## DC output

<b>Output power</b>	100 kW
<b>Output voltage range</b>	50 VDC – 500 VDC
<b>Output current range</b>	Up to 200 A

## AC output (mode 3)

<b>Output power</b>	22 kW with socket outlet
<b>Output voltage range</b>	400 VAC +/- 10%
<b>Maximum output current</b>	32 A with socket outlet

## Electrical protections

<b>Internal electrical protections</b>	To be defined
<b>Required circuit breaker upstream</b>	To be defined



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