

EVBox Troniq 100

fast charging solution

EVBOX

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



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

--

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

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

DC output

Output power	100 kW
Output voltage range	50 VDC – 500 VDC
Output current range	Up to 200 A

AC output (mode 3)

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

Electrical protections

Internal electrical protections	To be defined
Required circuit breaker upstream	To be defined



Copyright © 2020 EVBox Manufacturing B.V. EVBox® and the EVBox logo are registered trademarks. All rights reserved. EVBox has compiled this document to the best of its knowledge but does not warrant that all information provided is error-free. EVBox does not accept liability in that respect. All specifications are approximates only. The limited warranty conditions are stated in the applicable EVBox general terms and conditions. EVBPI_DC100_EN_012020 © EVBox Manufacturing B.V.



CALL US TO ORDER TODAY!
585.533.4051
7464 W. HENRIETTA ROAD | RUSH, NY 14543