

EVBox Troniq Modular*

fast charging solution

EVBOX














Modular and scalable architecture with a power output ranging from 90 kW to 240 kW.

Make the most of your space by charging up to three vehicles simultaneously using CCS2 (dry or cooled), CHAdeMO, or AC Type 2.**

Field-upgradable and easy to maintain architecture that improves uptime thanks to multiple power converters ensuring service continuity.

Built-in smart load management technology that helps you to reduce peak demand charges.

Best-in-class driver experience with auto-retractable cables, 15" screen, LED guiding lights, and charging indicators.

-  Up to 240 kW fast charging capacity
-  Modular and scalable design
-  Simultaneous charging up to 3 EVs**
-  Easy installation and maintenance
-  3-year warranty
-  Easy-to-brand design
-  Built-in smart charging
-  OCPP 1.6 compliant and OCPP 2.0 ready
-  Various payment options
-  LED guiding lights and charging indicator
-  Anti-glare, color touchscreen up to 4 configurable languages
-  Auto-retractable cables
-  Wheelchair accessible



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**Please note that this is a preliminary datasheet—the final product and data are subject to change.*

***AC Type 2 Socket not available at launch.*

General specifications*



Charging modes

Mode 4 (DC charging)

Mode 3 (AC charging)**

CCS2 up to 500 A / 920 VDC and CHAdeMO up to 125 A / 500 VDC
Type 2 up to 22 kW

Connector type

Mode 4

Mode 3**

CCS2 500A dry or liquid cooled, CHAdeMO (JEVS G105)
Type 2 socket (22 kW)

Cable reach

Mode 4

Cable Management activated: more than 5 m reach

Structure and physical properties

Enclosure material

Powder coated steel (Corrosion protection proven for C4-M environment as per ISO 12944)

Enclosure ratings

IP54 / IK10

Operating temperature

-30°C to +50°C

Storage temperature

-40°C to +70°C

Operating humidity

5% to 95% non-condensing

Cooling

Forced ventilation

Maximum installation height

2000m

Dimensions in mm (W x H x D)

600 x 2500 x 1000

Shipping dimensions (W x H x D)

960 x 2550 x 1200

Weight

<600 kg

Colors

Body: Traffic white (RAL 9016)

Other: Black grey (RAL7021), Jet Black (RAL9005)

Connectivity

Authorization

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

Status indication

LED strips and rings charging indicators, 15" anti-vandalism LCD color touchscreen

HMI

Communication standard

4G/LTE, Ethernet

Communication protocol

OCPP 1.6J, ready for update to OCPP 2.0

Certifications

Eichrecht compliant

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
Optional**

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Electrical properties*



AC input

Voltage range	400 VAC +/- 10%
Number of phases	3 P + PE 3P + N + PE (with AC socket option**)
Frequency	50 Hz
Nominal input current	374 A (max 415 A)
Power factor	> 0.99
Efficiency	95%
Grounding system	TT or TN-S
Surge protection device	Type 2
Stand-by power consumption	100 W or 1.1 kW in heating mode

DC output

Output power	up to 240 kW (8 Modules)
Output power per module	30 kW
Output voltage range	150 VDC – 920 VDC
Output current range	up to 500 A

AC output**

Output power	22 kW
Output voltage range	400 VAC +/- 10%
Maximum output current	32 A
AC MID Meter	Yes

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