EVBox Troniq Modular*

fast charging solution

EVB⊗X

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

evbox.com

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***

EVB⊗X

Charging modes
Mode 4 (DC charging)   CCS2 up to 500 A / 920 VDC and CHAdeMO up to 125 A / 500 VDC
Mode 3 (AC charging)**   Type 2 up to 22 kW

Connector type
Mode 4   CCS2 500A dry or liquid cooled, CHAdeMO (JEVS G105)
Mode 3**   Type 2 socket (22 kW)

Cable reach
Mode 4   Cable Management activated: more than 5 m reach

Structure and physical properties
Enclosure material   Power coated steel (Corrosion protection proven for C4-M environnement 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
HMI   LED strips and rings charging indicators, 15" anti-vandalism LCD color touchscreen
Communication standard   4G/LTE, Ethernet
Communication protocol   OCPP 1.6J, ready for update to OCPP 2.0

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
Eichrecht compliant   Optional**

*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

Electrical **properties***

EVB⊗X

AC input
Voltage range	400 VAC +/- 10%
Number of phases	3 P + PE, 3P + N + PE
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

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.*