EVBox Troniq Modular

A powerful charging station that can deliver up to 240 kW, serves your customers around the clock, and lets you deliver a first-class charging experience to keep your customers coming back to your location.

EVBox Troniq
Modular options

0. HOUSING HEIGHT

- ☐ Standard (2479mm)
- ☐ Compact (2083mm) (*Only with the Compact version)*

1. POWER OUTPUT

- ☐ 90 kW
- ☐ 120 kW
- ☐ 150 kW
- ☐ 180 kW*
- ☐ 210 kW*
- ☐ 240 kW*

2. CHARGING CABLES

- ☐ CCS2 500 A dry x2
- ☐ CCS2 500 A dry + CHAdeMO*** 125 A

3. AC CHARGING

- ☐ Type 2 Socket with MID Meter**
- ☐ Without

4. DC CALIBRATED METERS

- ☐ With Eichrecht certification (Germany only, Class A according to EN50470 - accuracy better than +/- 2%)
- ☐ With MID/LNE certified DC meters (Rest of Europe)
- ☐ Without

5. PAYMENT TERMINAL

- ☐ With Payter payment terminal
- ☐ Without

6. CHARGING MANAGEMENT SOFTWARE

- ☐ EVBox Everon
- ☐ OCPP-compliant 3rd party software

7. SERVICES AVAILABLE

- ☐ Extended warranty
- ☐ On-site / remote commissioning assistance
- ☐ EVBox Care Plans

Customize your EVBox Troniq Modular with our product configurator

General **specifications**

CHARGING MODES / CONNECTOR TYPE

Mode 4 (DC charging)	CCS2 up to 500 A / 920 VDC, 350 A continuous at 20 °C and CHAdeMo*** up to 125 A / 500 VDC (JEVS G105)
Mode 3 (AC charging)	Type 2 socket** up to 22 kW / 32A

CABLE REACH

Mode 4	Cable management activated: - up to 5m reach with standard - up to 4.5m reach with compact

STRUCTURE AND PHYSICAL PROPERTIES

Enclosure material	Powder coated steel
Enclosure ratings	IP54 / IK10
Operating temperature	-25°C to +40°C (+55°C with derating)
Storage temperature	-40°C to +70°C
Operating humidity	20% to 95% non-condensing
Storage humidity	20% to 85% non-condensing
Cooling	Forced ventilation
Maximum installation height	2000 m
Dimensions (W x H x D)	866 x 2479 x 1050 mm (standard) 866 x 2083 x 1050 mm (compact) 960 x 2500 x 1200 mm (packaging)
Weight	
(240 kW standard)	680 kg 780 kg (including packaging)
(150 kW compact)	570 kg 670 kg (including packaging)
Colors	Body: Traffic white (RAL 9016) Other: Black grey (RAL7021), Jet Black (RAL9005)

CONNECTIVITY

Authorization	RFID/NFC, App, Autocharge (MAC Address), Apple pay with Payment terminal
RFID reader	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
HMI	15" anti-vandalism LCD color touchscreen
Network connection	4G/LTE (3G/2G fallback), Ethernet
Communication protocol to the backend	OCPP 1.5, OCPP 1.6S, OCPP 1.6J, ready for update to OCPP 2.0.1
Communication protocol to the EV	ISO15118, DIN 70121, CHAdeMO 1.2

CERTIFICATIONS

CE
UKCA
EMC Directive 2014/30/EU
Low Voltage Directive 2014/35/EU
EN/IEC 61851-1
EN/IEC 61851-21-2
EN/IEC 61851-23
Eichrecht - Class A according to EN50470 (accuracy better than +/- 2%) (optional)

**Not available with compact model.*
***Adding a Type 2 socket possible if you select a power output of 210 kW or lower with the standard model and 120 kW or lower with the compact model. Not available with Eichrecht.*
****CHAdeMo connector is not available with Eichrecht version, only CCS2 types.*

Technical **specifications**

	AC INPUT
Voltage range	400 VAC +/- 10%
Number of phases	3P + PE 3P + N + PE (with AC socket option)
Frequency	50 Hz
Power factor	> 0.99
Peak Efficiency	95%
Grounding system	TT or TN-S
Surge protection device	Type 2

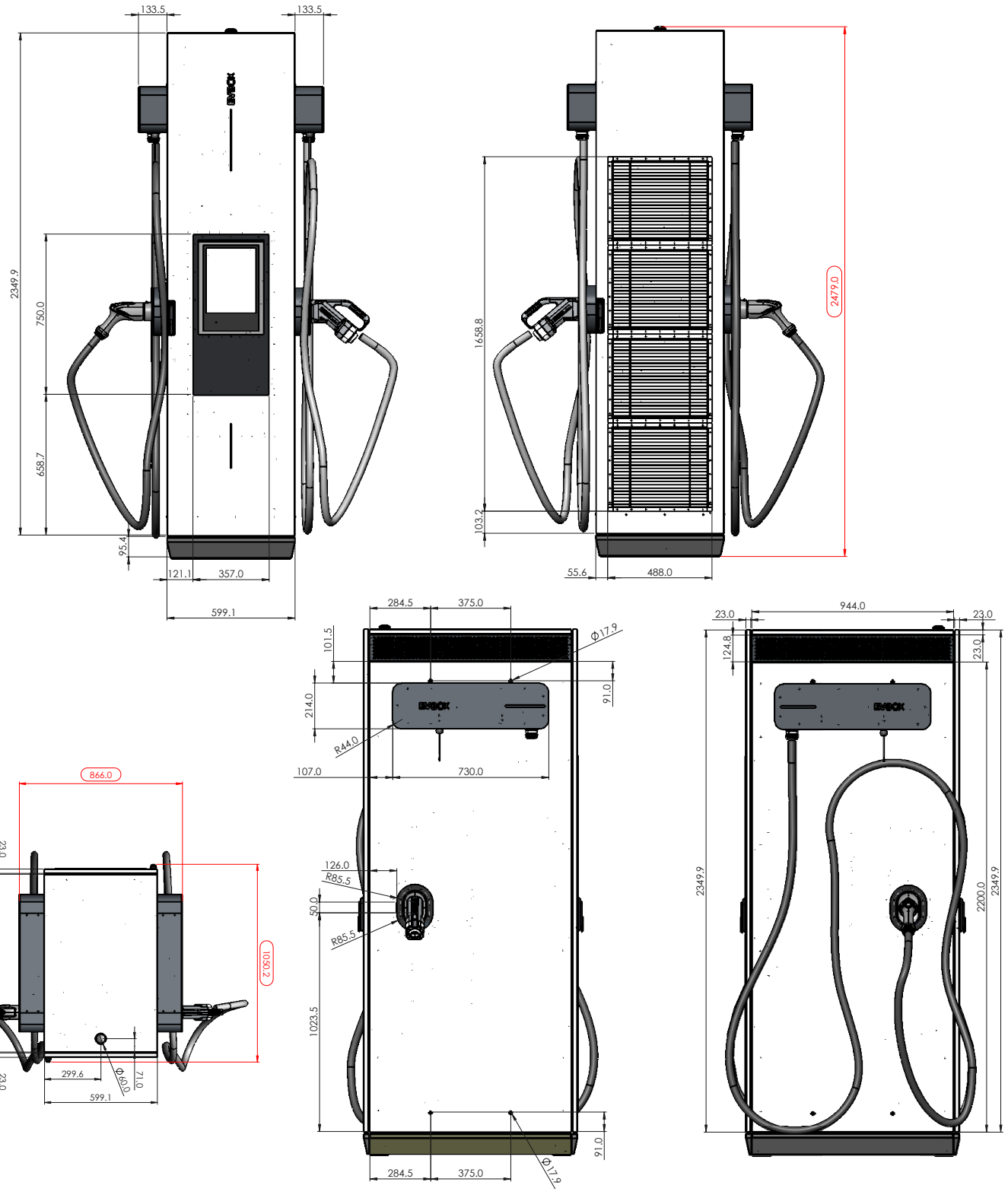
	DC OUTPUT	
Output power	**Standard**	up to 240 kW (8 modules) up to 210 kW (with the AC type 2 socket version)
	Compact	up to 150 kW (5 modules) up to 120 kW (with the AC type 2 socket version)
Output power per module	30 kW	
Output voltage range	150 VDC – 920 VDC	
Output current range	CCS2 up to 500 A / 920 VDC, 350 A continuous at 20 °C	

	AC OUTPUT
Output power	22 kW
Output voltage range	230 Vac / 400 Vac N-L / +/-10%
Maximum output current	32 A
Metering	AC MID certified meter included with AC Type 2 Socket version

For further technical specifications please refer to the installation manual.

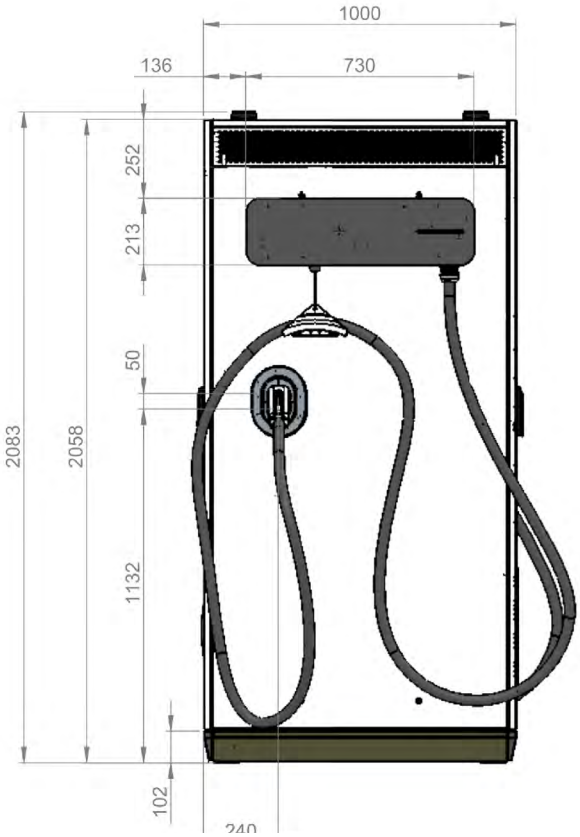
Technical **specifications**

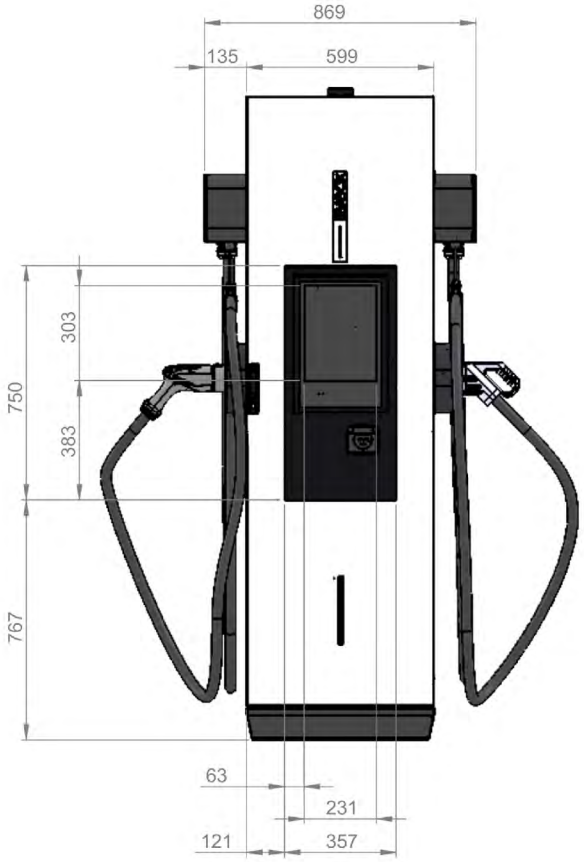
Standard

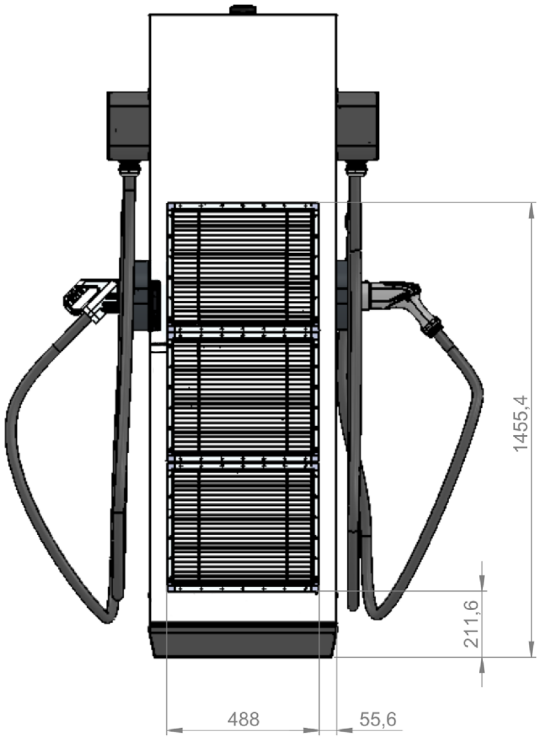


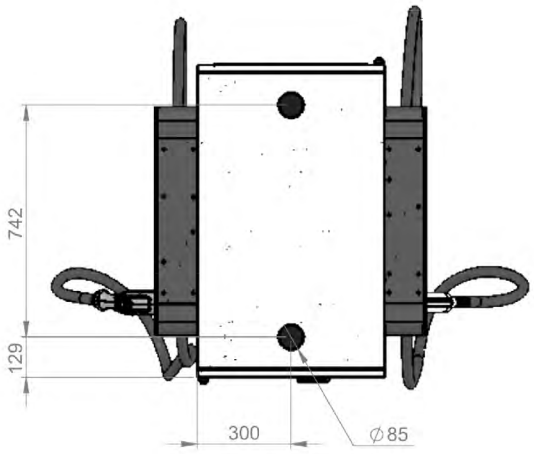
Technical **specifications**

Compact









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