EVBox Troniq Modular

EVBOX

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Technical specifications

DC OUTPUT - MODE 4 DC CHARGING	
Connector type	**CCS2:** up to 500 A, 920 V DC per cable; 500 A for > 9 min at 20 ºC ambient, 250 A continuous at 40 °C
	CHAdeMO: up to 125 A, 500 V DC
Output power	90 kW - 120 kW - 150 kW - 180 kW - 210 kW - 240 kW
Power module granularity	30 kW
Output voltage range	150 to 920 V DC
Cable reach	at least 4.5 m reach (cable length 6.5 m) (from charger front to nozzle tip, with cable management activated)

STRUCTURE AND PHYSICAL PROPERTIES	
Enclosure material	Powder coated paint, enclosure in alloy, galvanized and stainless 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% relative humidity, non-condensing
Storage humidity	20% to 85% relative humidity, non-condensing
Cooling	Forced ventilation
Maximum installation altitude	2000 m
Dimensions (W x H x D)	866 x 2479 x 1050 mm (standard)
	960 x 2500 x 1200 mm (packaging)
Weight (standard)	680 kg 780 kg (including packaging)
Colors	**Body:** Traffic white (RAL 9016)
	Other: Black grey (RAL7021), Jet Black (RAL9005) *Most RAL colors and stickering service available with a minimum order quantity*
EMC Classification	Class A

CERTIFICATION AND COMPLIANCE
CE: Radio Equipment Directive (RED) 2014/53/EU
UKCA
IEC 61851-1 IEC 61851-23 IEC 61851-21-2

CERTIFICATION AND COMPLIANCE
Optional DC Meters Class A according to EN 50470, with accuracy better than ± 2%, with 2 possible configurations: – EICHRECHT for Germany – MID/LNE (LNE for France, MID for the rest of Europe)

CONNECTIVITY	
Authorization	RFID/NFC, Autocharge (MAC Address) Optional payment terminal with pinpad, supporting Apple Pay
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
HMI	15" IK10 vandal-proof LCD color touchscreen
Network connection	CPO Backend via 4G/LTE (3G/2G Fallback) or Ethernet Optional: Remote Diagnostics Board enabling EVBox Care Plans
Communication protocol to the backend	OCPP 1.6J[1], ready for later software update to OCPP 2.0.1
Communication protocol to the EV	DIN 70121 Ready for later software update to Plug & Charge ISO 15118 CHAdeMO 1.2 (optional)

AC INPUT	
Voltage range	50 Hz, 400 V AC ±10% (main) 60 Hz, 380 V AC ±10% (main) 230 Vac ±10% (heater)
Number of phase	3P + GND with TT or TN-S grounding system (main) 1P + N (heater)
Nominal input current	365 A for 240 kW, 5.2 A (heater)[1]
Power factor	See installation manual
Peak efficiency	95% (DC connector / AC input)[1]
Surge protection device	Type 2, 3P+N, 400V, 20 kA
Short circuit current rating	Without AC socket option: 15 kA With AC socket option: 10 kA

AC OUTPUT (OPTIONAL, NOT AVAILABLE IN GERMANY)	
Connector type	Type 2 socket
Output power	22 kW
Maximum output current	32 A
Output voltage range	230 V AC to 400 V AC ±10%
kWh meter	MID-certified meter (not EICHRECHT certified)

(1) *For further technical specifications, please refer to the installation manual or the EVBox DC Software guide.*

Specifications and performance data contain average values within existing specification tolerances and are subject to change without prior notice.