

EVBox Troniq Modular

90–240 kW modular
DC charging station
for North America



EVBOX

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Technical specifications

DC OUTPUT	
	Level 3 (DC charging)
Connector type options	<ul style="list-style-type: none"> CCSI up to 350 A / 1000 Vdc per cable NACS up to 380 A / 1000 Vdc per cable⁽³⁾
Output power	240 kW / 210 kW / 180 kW / 150 kW / 120 kW / 90 kW
Power module granularity	30 kW
Output voltage range	150 Vdc to 1000 Vdc
	With cable arm management:
	<ul style="list-style-type: none"> Length 19.7 ft. Reach 14.8 ft
Cable options	Without cable management arm:
	<ul style="list-style-type: none"> Length 13.1 ft Reach 9.8 ft

STRUCTURE AND PHYSICAL PROPERTIES	
Enclosure material	Powder coated enclosure made of galvanized and stainless steel alloy
Enclosure corrosion resistance	C3M according to NF EN ISO 12944-6 (218)
Enclosure ratings	NEMA 3R ⁽³⁾ / IP54 / IK10
	Noise at 3.3 ft ⁽⁴⁾ :
Operating noise level	<ul style="list-style-type: none"> Below 65 dB(A) in normal operation (after 20 min of charge at 77°F) Max 75 dB(A) at 104°F
Operating temperature	-22 °F to +104 °F (+131 °F with derating)
Storage temperature	-40 °F to +158 °F
Operating humidity	20% to 95% relative humidity, non-condensing
Storage humidity	20% to 85% relative humidity, non-condensing
Cooling	Forced ventilation
Maximum installation altitude	6562 ft
	<ul style="list-style-type: none"> 34.1" x 41.3" x 97.6" 34.1" x 41.3" x 102.5" with cable management arm 39.0" x 46.9" x 99.3" packed 31.5" x 47.2" x 9.8" cable management arm packed
Dimensions (W x D x H)	

STRUCTURE AND PHYSICAL PROPERTIES	
	<ul style="list-style-type: none"> 1500 lbs 1570 lbs with cable management arm 1700 lbs packed 77 lbs cable management arm packed
Weight (240 kW)	
	Body: Traffic white (RAL 9016) Other: Black grey (RAL7021), Jet Black: (RAL9005) <i>Most RAL colors and stickering service available with a minimum order quantity</i>
Colors	

CERTIFICATION & COMPLIANCE	
	UL2202 / NRTL Mark
	FCC Part 15 Class A
	Dual DC Energy Meters: California - CTEP
	Energy Star

CONNECTIVITY	
Authorization	RFID/NFC, Autocharge (MAC Address) Optional contactless & EMV Chip Payment Terminal Payter P68 / Payter Polar ⁽³⁾
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 charging indicators
HMI	15" IK10 anti-vandalism LCD color touchscreen
Network connection	CPO Backend via 4G/LTE or Ethernet EVBox remote monitoring server via Remote Diagnostics Board
Communication protocol to the backend	OCPP 1.6J ⁽²⁾ , OCPP 2.0.1 - ready
Communication protocol to the EV	DIN70121, Plug & Charge / ISO 15118 - ready

AC INPUT	
Voltage range	480 Vac $\pm 10\%$ (main) 115 Vac $\pm 10\%$ (heater)
Number of phase	3P + GND (main) 1P + N (heater)
Frequency	60 Hz
Nominal input current	308 A for 240 kW ⁽¹⁾ 5.2 A (heating system)
Power factor	> 0.99

AC INPUT	
Peak efficiency	> 95.5% full load (All inclusive, measured between the AC inlet to the end of the CCS connector)
Surge protection device	Type 2 / 2.5 kV P-GND / 4 kV P-P / 25 kA
Short circuit current rating	46 kA

For further technical specifications, please refer to the installation manual⁽¹⁾ or to the EVBox DC Firmware guide⁽²⁾.

⁽³⁾Pending certification completion.

⁽⁴⁾Results in the field will be influenced by the environment, the measuring instruments and their calibration.

⁽⁵⁾Cable reach from charging station front to nozzle tip.

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

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