

DC Charger - CA

# STI 120

CAO-012011-C00



CCS1



The products are suited for rapid charging needs and applied in different kind of commercial or industrial scenario.

It can fast charge EV car by directly charging to the batteries with high efficiency and high current.

We provide all-in-one and split type charger for different charging needs.

## Product HIGHLIGHT



Support connect to any backend based on OCPP 1.6J protocol and remote control and monitor.



User-friendly touch interface and cable management system for ADA Standards.



Support up to 180kW of power in small area and wide output voltage range from 200 to 1000Vdc.



# DC Charger

Series	STI 180	STI 150	STI 120
Model Name	CAO-018011-C00	CAO-015011-C00	CAO-012011-C00
<b>Power input</b>			
Input current	AC 250 A	AC 210A	AC 170A
Input voltage	480 Vac±10%, 60Hz		
Wire connection	L1+L2+L3+N+PE, three-phase (No neutral line for IT system)		
Grid type	TN-S, TN-C, TN-C-S, TT, IT		
Efficiency	95 %		
<b>Power Output</b>			
Output interface	CCS1+CCS1		
Output power	180 kW	150 kW	120 kW
Output voltage	200 Vdc to 1000 Vdc		
Output current	300 A max / plug (natural cooling)		
<b>User Interface</b>			
Status indication / display	LED indicator / 10.4-inch touch screen		
Button and switch	Emergency button		
User authentication	Free charge / RFID card / QR code and APP / POS terminal (optional)		
RFID reader	ISO/IEC 14443 A/B, ISO/IEC 18092, IEC/ISO 15693		
<b>Interface / Communication</b>			
Interface	4G, Wi-Fi, RFID, Ethernet		
Protocol (EVSE&Backend)	OCPP 1.6J		
Protocol (EVSE&EV)	DIN 70121, ISO 15118		
<b>General Parameter</b>			
Operating temperature	-30 °C to 55 °C , de-rating at 50 °C (-22 °F to 131 °F, de-rating at 122 °F)		
Humidity	5 % to 95 % RH, no condensation		
Altitude	≤2000 m (≤ 6562 ft)		
<b>Mechanical</b>			
Enclosure protection	NEMA Type 3R / IK10 (screen IK08)		
Cooling	Forced air		
Cable length	5 m (16.4 ft)		
Dimensions (W x H x D)	800 x 2050 x 750 mm (2.62 x 6.73 x 2.46 ft) (w/o cable management) 800 x 2235 x 750 mm (2.62 x 7.33 x 2.46 ft) (with cable management)		
Weight	Approx. 540 kg (1190 lb)	Approx. 520 kg (11460 lb)	Approx. 500 kg (1102 lb)
Installation	Ground - mounting		
<b>Compliance</b>			
Protection	OCP, OVP, UVP, OTP, RCD, IMD, Grounding fault, Surge protection		
Standards	Safety: UL 2202, UL 2231-1, UL 2231-2 EMC: FCC part 15 Class A		
Certification	CSA, FCC, Energy Star		

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