

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 120kW 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
Power input				
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 %			
Power Output				
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)			
User Interface				
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			
Interface / Communication				
Interface	4G, Wi-Fi, RFID, Ethernet			
Protocol (EVSE&Backend)	OCPP 1.6J			
Protocol (EVSE&EV)	DIN 70121, ISO 15118			
General Parameter				
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)			
Mechanical				
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			
Compliance				
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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