

DC Charger - TW

STI 180

CAO-018012-T00



CCS1



CCS2



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-018012-T00		CAO-015012-T00	CAO-012012-T00
Power input				
Input Current	AC 291 A	AC 243 A	AC 194 A	
Input Voltage	380 Vac±10%, 60 Hz			
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+CCS2			
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			
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 50 °C			
Humidity	5 % to 95 % RH, no condensation			
Altitude	≤2000 m			
Mechanical				
Enclosure protection	IP55 / IK10 (screen IK08)			
Cooling	Forced air			
Cable length	5 m			
Dimensions (W x H x D)	800 x 2050 x 750 mm (w/o management), 800 x 2235 x 750 mm (with management)			
Module weight	Power module: approx. 15 kg, Cable management: approx. 36 kg			
Weight (with management)	Approx. 560 kg (6 module)	Approx. 545 kg (5 module)	Approx. 530 kg (4 module)	
Installation	Ground - mounting			
Compliance				
Protection	OLP, OCP, OVP, UVP, OTP, RCD, IMD, Grounding fault, Surge protection			
Standards	Safety: CNS 15511-1, CNS15511-23/-24, CNS 15700-1/-3/3-1 EMC: CNS 15511-21-2			
Certification	BSMI-VPC, NCC			

© 2025 Smartgreen-Solution Co., Ltd. All rights reserved. Subject to change with notice. Rev.02 TW 2025.03