

DC Charger - EU

STI 180

CAO-018022-P00



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-018022-P00		CAO-015022-P00	CAO-012022-P00
Power input				
Input Current	AC 276A		AC 230A	AC 184A
Input Voltage	400Vac±15%, 50/60 Hz			
Power Factor	≥0.99 @ Full Load			
Efficiency	95%			
Wire connection	L1+L2+L3+N+PE, three-phase (No neutral line for IT system)			
Power Output				
Output Interface	CCS2+CCS2			
Output Power	180 kW		150 kW	120 kW
Output Voltage	150Vdc to 1000Vdc			
Output Current	CCS2: 300A max / plug			
User Interface				
Status Indication / Display	LED indicator and 10.4-inch LCD touch screen			
Button and Switch	Emergency button			
User Authentication	Free charge mode / RFID card mode / APP QR code mode			
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)	DIN70121, ISO 15118			
General Parameter				
Operating Temperature	-30°C to 50°C			
Humidity	5% to 95% RH, no condensation			
Altitude	≤2000m			
Mechanical				
Enclosure Protection	IP55 / IK10 (screen IK08)			
Cooling	Forced Air			
Cable length	5m			
Dimensions (W x H x D)	800 x 2235 x 750 mm (with cable management system)			
Weight	Approx. 562kg		Approx. 547kg	Approx. 532kg
Installation	Ground - mounting			
Compliance				
Standards	Safety: IEC 61851-1, IEC 61851-23/-24 EMC: IEC 61851-21-2, IEC 61000-6-2/-4			
Certification	CE, CB, RED, NBTC, PTEC, PEA			

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

get in
TOUCH



www.smartgreen-solution.com

4F, No. 169, Xing'ai Rd., Neihu Dist., Taipei City 114,
Taiwan, R.O.C.

TEL: +886-2-2792-8558

Email: official@smartgreen-solution.com