
APEX SXE DCFC - 120kW & 160kW

Specification Sheet



ELECTRICAL	120kW AiO	160kW AiO
Input voltage	480 VAC +/- 10%	480 VAC +/- 10%
Input frequency	50Hz/60Hz	50Hz/60Hz
Input type	L1+L2+L3+PE	L1+L2+L3+PE
Input AC Current(FLA)	150A	200A
Input power	128kW	170kW
Power factor	≥0.99	≥0.99
THDi	≤5%	≤5%
Connector options	CCS1; NACS	CCS1; NACS
Output voltage	200-1000V	200-1000V
Maximum output current	CCS1 up to 120kW NACS up to 120kW	CCS1 up to 350A(500A boost) NACS up to 350A(400A boost)
Rated power	160kW	160kW
Peak efficiency	≥96%	≥96%

USER INTERFACE & COMMUNICATION

Connectivity	Wi-Fi/Ethernet/4G
User Authentication	Credit Card, QR Code, RFID Card
ISO 15118 Plug & Charge	Hardware 15118-Ready
DIN 70121	Yes
Interface	15" HD touch screen
Accessible For Wheelchair ADA	Yes
Communication Protocols	OCPP 1.6 J, OCPP 2.0 J (Can Be Upgraded Later)
RFID Reader	RFID Reader (ISO 14443 & ISO 15693), Mifare1, NFC
Remote Management	Remote Access, Diagnostics, Software Updates
Emergency button	No

GENERAL CHARACTERISTICS

Operational altitude	<6562ft(2000m)
Operating temperature	-22~149°F(-30~65°C)(50°C/122°F derate)
Temperature derating	Up to 122°F(50 °C): 100% output power, 122°F-149°F(50-65 °C) interval, linear power limit, 149°F(65 °C) or more, module shutdown protection.
Storage temperature range	-58~176°F(-50~80°C)
Humidity	5 %-95 % Rh non-condensing
IP and IK rating	NEMA 3R / IK10
Dimensions	74.80*33.46*22.83In.(1900*850*580mm)
Weight	≤798lbs (362kg)
Enclosure material	Hot-dip Galvanized Sheet
Standard Cable length	16.4ft (5m)
Cable Management	Arm Type
Cooling method	Air cooled
EMC	Class A (industrial)
Protection	Undervoltage protection, Overvoltage protection, DC Overcurrent protection, Over-temperature protection, Surge Protection Device, Emergency Stop Protection, Ground Fault Detection
Operational functions	Tilt detection, flood detection, smoke detection, heater, cable management

CERTIFICATIONS

Standards & Certifications	UL 2202:2022
	UL 2231:2022
	OCA OCPP 1.6 (2.0.1 Coming Soon)
	CSA C22.2 No.346:2022
	FCC Part 15 Subpart B:2021
	Energy Star
	CTEP & NTEP