

SEC 120kW Series DC Fast Charger Technical Specifications



Overview

The SEC 120kW Series outdoor DC integrated charger adopts a new generation of 20kW intelligent charging module, single and double guns can be arbitrarily selected according to customer needs. The dual-gun type can be distributed, according to the actual charging demand to meet the charging needs of small and medium-sized passenger cars and logistics vehicles.

Specifications

120kW Integrated Charger		
Input Characteristic	Input voltage	400 VAC +/- 10%
	Input frequency	50 / 60 Hz
	Input type	3P + N + PE
	Input current	224A
	Input power	133kVA
	Power factor	0.99
	THDi	<5%
	Grounding type	TN-S, TN-CS
Output Characteristic	Connector options	CCS2
		CCS2+CCS2
		CCS2+CHAdEMO
		CHAdEMO is optional
	Output voltage	CCS2: 200-1000 Vdc
		CHAdEMO: 200-500 Vdc
		300~1000V is the output voltage of constant power output.
	Maximum output current	CCS2: 200A
CHAdEMO: 125A		
Rated power	DC: 120kW	
Peak efficiency	96%	
Environment	Operational altitude	<2000 m
	Operating temperature	-25 °C to +50 °C (Full power)
		Up to 50 °C: 100% output power,
		50-65 °C interval, linear power limit, 65°C or more, module shutdown protection.
	Storage temperature range	-30 °C to +70 °C
Humidity	5 %-95 % Rh non-condensing	
Structure	IP and IK rating	IP55/ IK10
	Dimensions	W1000mm*D700mm*H2000mm
	Weight	≤500 kg
	Enclosure material	304 stainless steel

Components	Cable length	5m (4.5m exposed from the charger)
	Screen	7" HD high-contrast touchscreen
	RFID Reader	ISO 14443 A + B to part 4 and ISO/IEC 15693, Mifare1, NFC
	Emergency button	Yes
Others	Communication interface	4G / LAN Port
	Language	English (Support customizing other languages)
	Communication protocol	OCPP1.6J
	Cooling method	Air cooled
	Payment method	RFID / APP
		(Mobile phone / Visa / Master is optional)
	EMC	Class A (industrial)
	Protection	Undervoltage protection, Overvoltage protection, DC Overcurrent protection, Over-temperature protection, Surge Protection Device and Emergency Stop Protection.
Optional functions	Tilt detection, flood detection, smoke detection, heater and cable management.	



**Everything about profitability
and charging experience**