

DS series

120kW Free Standing DC Fast Charger

Cable Management



Features

- Multi-standard: CCS and CHAdeMO
- Network or standalone operation
- User authentication
- Optional cable management accessories
- Support smart charging and load balancing
- Efficiency > 94% : P > 0.99 (APFC)
- 7 inches LCD screen with user friendly interface
- OCPP 1.6 JSON
- IK10 (Not including screen and RFID module), IP55
- Customization available

Applications


- Highway gas/service station
- Parking garage
- Commercial fleet operators
- EV infrastructure operators and service providers
- EV dealer workshops

Accessory



- Cable Management



DS Series		
Model Name	DS 120 Series	
Picture		
Power Specification		
AC Input	Input Rating	3Φ_480Vac (+10%, -15%)
	AC Input Connection	3P+N+PE (Wye configuration), TN/TT
	Max. Input Current	DC System:3Φ180A(Typ.±1%)
	Frequency	50Hz/60Hz
	Power Factor	>0.99 @ full load
	Efficiency	≥94%
DC Output	Output Voltage Range	CCS1:150~950Vdc CHAdeMO:150~500Vdc
	Max. Output Current	CCS1:126A@950Vdc CHAdeMO:120A@500Vdc
	Max. Output Power	DC System:120kW +
	Voltage Accuracy	±2%
	Current Accuracy	±2%
User Interface & Control		
Display	7" TFT-LCD	
Push Buttons	Operation button/Emergency stop button	
User Authentication	RFID: support ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966) OCPP, QR Code, APP, Mobile payment	
Communication		
External	Ethernet/4G/Wi-Fi	
Internal	CAN bus/RS485	
Environmental		
Operating Temperature	-30°C~50°C, power derating from 50°C and above	
Humidity	5%~95% RH, non-condensing	
Altitude	≤ 2000m	
IP/IK Level	IP55/IK10 (not including screen and RFID module)	
Cooling Method	Fan cooling	
Mechanical		
Cabinet Dimension(W x D x H)	800 x 650 x 1900mm ±1%	
Weight	≤ 420kg ±1%	
Cable Length	4m (Optional 7m)	
Protection		
Input Protection	OVP, OCP, OPP, OTP, UVP, RCD, SPD	
Output Protection	OCP, OVP, UVP, OTP, IMD	
Regulation		
Certificate	UL 2202, UL 2231-1/-2,	
Safety	NRTL - cETLus	
Charging Interface	CHAdeMO V1.2, DIN 70121, (ISO15118:2021/Q3)	