

DS series

150kW Free Standing DC Fast Charger

Cable Management



Features

- Simultaneously 2 DC and 1 AC charging (AC will be available in 2020/Q4)
- Multi-standard: CCS, CHAdeMO and GB/T
- Network or standalone operation
- User authentication
- Optional cable management accessories
- Support smart charging and load balancing
- Efficiency > 94% : PF > 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

Please refer to page 37 for accessory information.



• Cable Management



Simultaneously 2 DC and 1 AC charging
(AC will be available in 2020/Q4)

DS Series					
Model Name		CE, DS 150 Series	UL, DS 150 Series		
Picture					
Power Specification					
AC Input	Input Rating	3Φ_380~415Vac ($\pm 15\%$)	3Φ_480Vac (+10%, -15%)		
	AC Input Connection	3P+N+PE (Wye configuration), TN/TT/IT	3P+N+PE (Wye configuration), TN/TT		
	Max. Input Current	DC System:3Φ270A(Typ. $\pm 1\%$) AC module(43kW):3Φ63A($\pm 1\%$) or AC module(22kW):3Φ32A($\pm 1\%$)	DC System:3Φ226A(Typ. $\pm 1\%$) AC module(19.2kW):1Φ80A($\pm 1\%$)		
	Frequency	50Hz/60Hz			
	Power Factor	>0.99 @ full load			
	Efficiency	$\geq 94\%$			
DC Output	Output Voltage Range	CCS2:150~950Vdc GBT: 150~750Vdc CHAdeMO:150~500Vdc AC:3Φ_380~415Vac ($\pm 15\%$)	CCS1:150~950Vdc CHAdeMO:150~500Vdc AC:1Φ_240Vac (+10%, -15%)		
	Max. Output Current	CCS2:158A@950Vdc GBT:200A@750Vdc CHAdeMO:120A@500Vdc AC(43kW):3Φ63A@230Vac or AC(22kW):3Φ32A@230Vac	CCS1:158A@950Vdc CHAdeMO:120A@500Vdc AC(19.2kW):1Φ80A@240Vac		
	Max. Output Power	DC System:150kW + AC module:3-phase 43kW or 22kW	DC System:150kW + AC module:Single Phase 19.2kW		
	Voltage Accuracy	$\pm 2\%$			
	Current Accuracy	$\pm 2\%$			
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, 2D barcode, 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	$\leq 2000\text{m}$				
IP 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 $\pm 1\%$				
Weight	$\leq 460\text{kg} \pm 1\%$				
Cable Length	4m	4m			
Protection					
Input Protection	OVP, OCP, OPP, OTP, UVP, RCD, SPD				
Output Protection	OCP, OVP, UVP, OTP, IMD				
Regulation					
Certificate	IEC 61851-1, IEC 61851-23, IEC 61851-21-2		UL 2202, UL 2231-1/-2		
Safety	CB, CE		NRTL - cETLus		
Charging Interface	CHAdeMO V1.2, DIN 70121, GB/T 20234.3, (ISO15118:2020/Q4)				