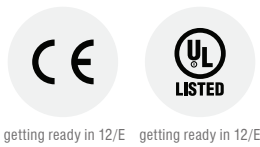


DS series



60kW/120kW/180kW DC Fast Charger

Features

- 60kW-210kW DC fast charger supporting CCS and CHAdeMO (option, 60kW) Single or dual DC charging outputs with one 32A AC charging Socket
- CCS Combo Type 1 (SAEJ1772, IEC 62196-3), CCS Combo Type 2 (IEC 62196-3), ISO15118, DIN70121, CHAdeMO 1.2
- PF>0.99 (APFC)
- Efficiency>94.8%
- OCPP1.6 JSON
- Intelligent RFID card reader, ISO14443 A/B
- 7" screen and user-friendly interface
- Ethernet based connection for central office management
- IK10, IP54
- Customization available
- Easy installation and maintenance



New design is coming before the end of 2019.



Applications

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



Category		DS Series		
Model No.		DS60 (NA)	DS120 (NA)	DS 180 (NA)
AC Input	Input Rating	480 Vac +10%/-15%		
	AC Input Connection	3P + N + PE (Wye configuration)		
	Max. Input Current	66kVA	132kVA	198kVA
	Frequency (Hz)	50 / 60		
	Power Factor	>0.99 @ full load		
	Efficiency(%)	>94.8% at nominal output power		
DC Output	Output Voltage Range	50~500Vdc (CHAdeMO) / 150~950Vdc (CCS 1)		
	Max. Output Current(A)	Single Gun : 100A@600V, 63A@950V	Single Gun : 200A@600V, 126A@950V	Single Gun : 300A@600V, 252A@950V
	Max. Output Power(kW)	60	120	180
	Voltage Accuracy(%)	± 1		
	Current Accuracy(%)	± 1		
User Interface & Control	Display	7" TFT-LCD		
	Push Buttons	Emergency Stop		
	User Authentication	RFID ISO14443A (M1/MIFARE Card)		
	Display Information	Charging process and status / Alarm and warning messages		
Communication	External	Ethernet , WiFi and 3G/4G (Optional)		
	Internal	CANbus / RS485		
Environmental	Operating Temperature(°C)	-20 ~ 50, power derating from 50 and above		
	Humidity(%)	5 ~ 90 RH, non-condensing		
	Altitude(m)	≤ 2000m		
	IP Level	IP54		
	Cooling method	Fan cooling		
Mechanical	Dimension(WxDxH mm)	840 x 540 x 1800		
	Weight(kg)	< 350	< 400	< 450
	Cable Length(m)	5 (CHAdeMO) / 5 (CCS 1) / 5 (GBT)		
Protection	Input Protection	OVP, OCP, OPP, OTP, UVP, Residual current detection, Surge protection,Cabinet-open detection		
	Output Protection	SCP, OCP, OVP, LVP, OTP, Residual current detection		
Regulation	Certificate	UL 2202, UL2231		
	Safety	UL/cUL		
	Charging Interface	CHAdeMO 1.2, ISO15118, DIN 70121, GB/T 20234.3-2015		