



DS120 Series



120kW Free Standing DC Fast Charger



Features

-  Multi-Standard: CCS, CHAdeMO and GB/T ; Simultaneous DC Charging. Optional Fan Cooled 300A Charging Connector
-  Network or Standalone Operation
-  User Authentication
-  Optional Cable Management Accessories
-  Supports Smart Charging and Load Balancing
-  Efficiency > 94%
-  PF > 0.99 (APFC)
-  Customization Available
-  7-inch LCD Screen with User Friendly Interface
-  IK10 (Not including screen and RFID module), IP55, NEMA 3R
-  OCPP 1.6 JSON (Upgradeable to 2.0)

Cable Management

Please refer to accessory information.



Applications

- Parking Garages
- Commercial Fleet Operators
- EV Dealer Workshops
- EV Infrastructure Operators and Service Providers
- Gas/Service Stations

Model Name		UL, DS 120 Series
Safety		NRTL – cETLus (USA/Canada)
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: 3Φ194A
	Frequency	50Hz/60Hz
	Power Factor	>0.99
	Efficiency	>94% (at optimize V/I point)
DC Output	Output Voltage Range	CCS1:150~950Vdc CHAdemo: 150~500Vdc
	Max. Output Current	CHAdemo: 120A@500V CCS1: 200A@600V, optional 300A
	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: Supports ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966), OCPP, QR Code, Mobile App, & Optional Third Party Payment System
Communication		
External		Ethernet, Wi-Fi & 4G
Internal		CAN bus / RS485
Environmental		
Operating Temperature		-30°C~50°C (-22°F ~ +122°F)
Humidity		5%~95% RH, Non-Condensing
Altitude		≤ 2000m (6562ft)
IP/IK Level		NEMA 3R IK10 (not including screen & RFID module)
Cooling Method		Fan Cooling
Mechanical		
Cabinet Dimension(W x D x H)		800mm x 650mm x 1900mm (31.50in x 25.59in x 74.80in) ±1%
Weight		≤ 420kg (926lbs) ±1%
Cable Length		4.5m (15ft)/Optional 7m (23ft)
Protection		
Input Protection		OVP, OCP, OPP, OTP, UVP, SPD
Output Protection		OCP, SCP, OVP, LVP, OTP, IMD
Regulation		
Certification		UL 2202, UL2231, EnergyStar™
Charging Interface		CHAdemo V1.2, DIN 70121, ISO15118, GB/T 27930