



## Features

- Optional non-Liquid-cooled 500A charging connector\*
- Simultaneous 2 DC Charging
- Multi-standard: CCS, CHAdeMO and GB/T
- Network or standalone operation
- User authentication
- Optional cable management accessories
- Supports smart charging and load balancing
- Efficiency > 94%; PF > 0.99 (APFC)
- 7-inch LCD screen with user friendly interface
- OCPP 1.6 JSON
- IK10/NEMA 3R(Not including screen and RFID module), IP55
- Customization available
- Eichrect compliant: Q3/2021 LEM mater, Eichrecht certification TBD starting Q4/2021

## Applications

- Parking Garage
- Commercial fleet
- EV infrastructure operators and service

| FSP SERIES

# 120kW DC Fast Charger



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For pricing & information:

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<b>Model</b>		<b>FSP1200</b>
<b>Power Specification</b>		
<b>AC Input</b>	Input Voltages	3Φ 480Vac (+10%, -15%)
	AC Input Connection	3P+N+PE (WYE Configuration), TN/TT
	Max. Input Power	129kVA
	Max. Input Current	3Φ @ 180A (±1%)
	Frequency	50Hz/60Hz
	Power Factor	>0.99 @ full load
	Efficiency	≥94%
<b>DC Output</b>	Charging Ports	2
	Max. Output Power	120kW
	Output Voltage	CCS1: 150~950Vdc, CHAdeMO: 150~500Vdc
	Voltage Accuracy	±2%
	Max. Output Current	CCS1: 200A@150Vdc ~ 500Vdc; 126A@950Vac, CHAdeMO: 120A@150Vdc ~ 500Vdc
	Current Accuracy	±2%
	Dual Charge Load Balancing	0% , 50% , 100%
<b>User Interface &amp; Control</b>		
Back end Support	OCPP 1.6-JSON	
User Authentication	RFID Support ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966) OCPP, QR Code, APP, Mobile Payment	
Buttons	Right Button: Select charging connector, Left Button: Home / Stop charge	
Voltage Accuracy	7 inch LCD	
<b>Communication</b>		
External	Ethernet, Wi-Fi, and 4G	
Internal	CAN bus/RS485	
<b>Regulation</b>		
Safety Compliance	UL2202, UL2231-1, UL2231-2, CSA C22.2 2 107.1	
EMC Compliance	U.S.: FCC part 15, Class B	
Plug-Out Detection	JEVS G104 (CHAdeMO), SAE J2931 (CCS1)	
Charging Interface	CCS DIN 70121; CHAdeMO Ver 1.2	
Safety Mark	NRTL - cETLus	
<b>Protection</b>		
Input	OVP, OCP, OPP, UVP, RCD, SPD	
Output	OCP, OVP, LVP, OTP, IMD	
Internal	OTP, AC contactor detection, DC contactor detection, Fuse detection	
Load Management	Via OCCP 1.6 JSON	
<b>Environmental Conditions</b>		
Operating Temperature	-30°C to 50°C (-22°F to 122°F)	
Storage Temperature	-40°C to 70°C (-40°F to 158°F)	
Humidity	5%~95% RH, non-condensing	
Altitude	≤ 2000 m (6560 ft)	
<b>Mechanical Specifications</b>		
DC Charging Connector Type	CCS1 / CHAdeMO	
Charging Cable Length	4.5 m (15 ft) or 7 m (23 ft)	
Dimension(W x D x H)	800 x 650 x 1900 mm ±1% (32 x 26 x 75 inch)	
Weight	500 kg ±1% (1102 lbs.)	
Cooling Method	Force Air	
Ingression Protection	IP55 / NEMA Type 3R	
Anti-Vandalism	IP55/IK10 (Not including LCD screen and RFID module)	
Overhead Cable Management	8 ft	