

Features

- Simultaneous 2 DC Charging
- Multi-standard: CCS, CHAdeMO
- 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
- Contact/Contactless smart credit card reader terminal optional

Applications

- Parking Garage
- Commercial fleet
- Truck & Bus Charging Depot
- EV infrastructure operators and service
- Truck / Bus Charging Depot



FSP SERIES

180kW DC Fast Charger



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For pricing & information:

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Model		FSP1800
Power Specification		
AC Input	Input Rating	3Φ 480Vac (+10%, -15%)
	AC Input Connection	3P+N+PE (WYE Configuration), TN/TT
	Max. Input Current	232A @ 277VAC (Line to Neutral)
	Frequency	50Hz/60Hz
	Power Factor	>0.99 @ full load
	Max. Input Power	194 kVA
	Efficiency	≥94%
DC Output	Charging Ports	2
	Output Voltage Range	CCS1: 150~950Vdc CHAdeMO: 150~500Vdc
	Max. Output Current	CHAdeMO: 120A@500Vdc CCS1: 200A@900Vdc, Optional 300A
	Max Output Power	DC System: 180kW
	Voltage Accuracy	±2%
	Current Accuracy	±2%
User Interface & Control		
Back end Support		OCPP 1.6-2.0 JSON
User Authentication		RFID Support ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966) OCPP, QR Code, APP, Mobile Payment, Credit Card Reader Terminal (optional)
Buttons		Operation button/ Emergency stop button
Display		7" TFT-LCD
Communication		
External		Ethernet, Wi-Fi, and 4G
Internal		CAN bus/RS485
Regulation		
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
Protection		
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
Environmental Conditions		
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)
Mechanical Specifications		
DC Charging Connector Type		CCS1 / CHAdeMO
Charging Cable Length		4 m (13 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		Fan Cooling
Ingression Protection		NEMA Type 3R
Anti-Vandalism		IP55/IK10 (Not including LCD screen and RFID module)
Overhead Cable Management		8 ft