



## 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 J2013
- 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



Scan to order and see additional product features and services.

©2021 TurnOnGreen, Inc. .

For pricing & information:

sales@turnongreen.com 1-877-634-0982

Model		FSP1800
<b>Power Specification</b>		
<b>AC Input</b>	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%
<b>DC Output</b>	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%
<b>User Interface &amp; Control</b>		
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	
<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 OCPP 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 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	