

180kW

GEN4 All-in-One DC Fast Charger

The Smart Alternative for EV Charging Innovation

The next generation of best-in-class EV charging station performance.

Introducing Gen4 180kW all-in-one (AiO) DC Fast Charger for Electric Vehicles.

Featuring optional liquid cooled cables, the 180kW AiO DC Fast Charger can provide an 80% EV battery charge in as little as 10 to 15 minutes, offering the capability to serve more customers in less time.

GEN4 offers everything needed for EV charging speed, convenience, flexibility, reliability, and low total cost of ownership.

Forward thinking innovation is also found in GEN4's high performance design, with future-forward liquid cooled cable technology to support advanced 500A charging applications.

KEY FEATURES

- CCS-1 and CHAdeMO Connector Options
- Simultaneous Charging
- Liquid Cooled Cables for 500A Continuous Charging
- 15" or 32" Optional Touchscreen
- Credit Card and RFID Payment Options
- Modular System for Future Upgrades
- Integrated Cord Retraction
- Compact Design



Applications

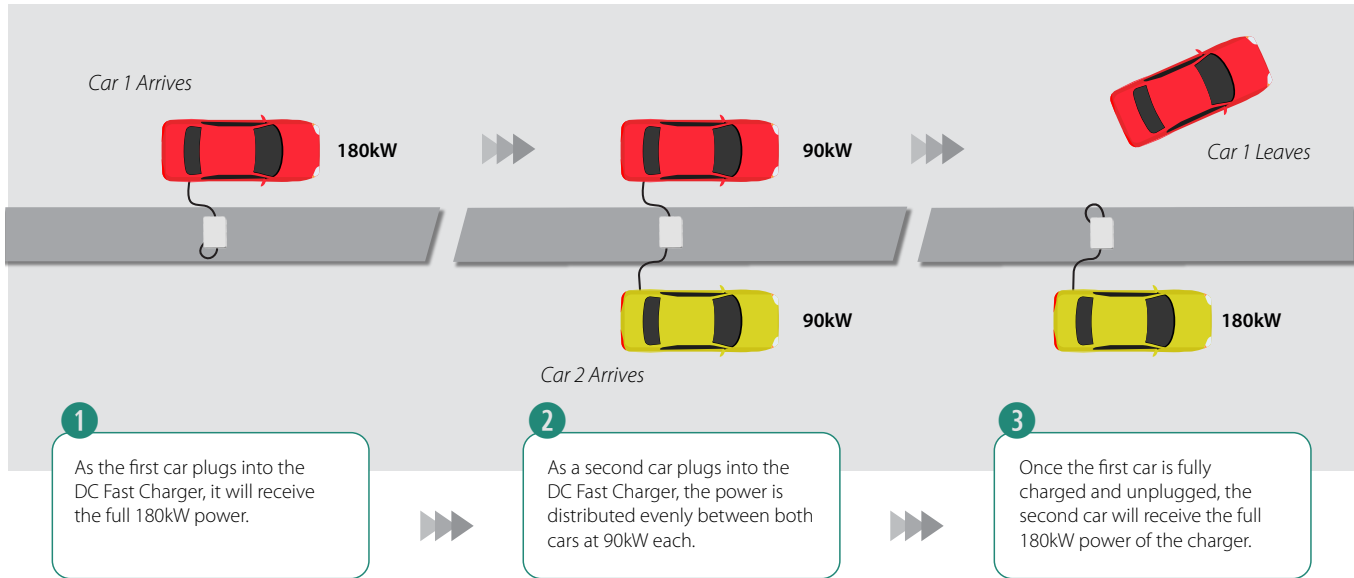
Fleets
EV Mobility Service Providers
Gas Stations
C-Stores
Malls
Multi-Family Housing



Contact a SimplyFuel Solutions consultant for the options that best fit your fleet's needs.

Simultaneous Charging

The 180kW AiO DC Fast Charger is designed to charge two EVs simultaneously at up to 90kW.



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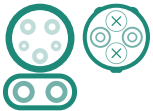
Retractable 15.4' Charging Cables

Minimize cable wear and damage
improve customer experience

15" Standard, 32" Optional Customizable Touchscreen

Optimize signage advertise price promotions

CCS1 and CHAdeMO Connector Options



Serviceable By Design Front and Side Door Access

Lightweight internal components
maintenance can be managed by a single person

Liquid Cooled Cables for Increased Amperage and Faster Charge Times

500A Continuous charging serve more customers in less time ready for future EV requirements

Temperature Range

-22°F to 130°C to 50°C

Simultaneous Charging

Service up to 2 vehicles at a time

Credit Card and RFID Payment Options

ADA Compliant



Why Liquid Cooled Cables?



Serve More Customers in Less Time

Charge EVs in as little as 10-15 minutes compared to 35-40 minutes with standard cables.

Improved User Experience

Liquid Cooled Cables are much lighter than standard cables, allowing users to easily and quickly charge their vehicles.

Future Ready

As EV technology continues to advance, batteries will require higher current demands. With 500A, Liquid Cooled Cables are ready to accommodate the ever changing EV technology.

Reduced Total Cost of Ownership

SimplyFuel Solutions' proven, reliable technology offers minimal to no maintenance.



45% of EVs will benefit from Liquid Cooled Cables

	400 Volt Passenger EVs	900 Volt Passenger EVs	Weight Comparison of 10ft Cable
500A Liquid Cooled Cable	180kW 80% Charge 10-15 Minutes	180kW 80% Charge 10-15 Minutes	11 lbs
300A Non-Liquid Cooled Cable	120kW 80% Charge 15-23 Minutes	180kW 80% Charge 10-15 Minutes	22 lbs
200A Non-Liquid Cooled Cable	80kW 80% Charge 35-40 Minutes	180kW 80% Charge 10-15 Minutes	13 lbs



Comparing to the Competition: 300A Cable weighs 36 lbs

Specifications


CCS-1 - DC Charging	
Max Power Rating	180kW
Output Voltage Range	200 – 920 VDC
Output Current	500A max.
Cable Length	15.4 ft.

CHAdeMO - DC Charging	
Max Power Rating	100kW
Output Voltage Range	200 – 500 VDC
Output Current	200A max.
Cable Length	13 ft.

General System Specifications	
Efficiency	> 94%
Power Factor	> 0.99 full load
Humidity	95% non-condensing
Operating Temperature	-22°F to 122°F, (-30°C to 50°C)
Altitude	Up to 6,000 ft
Protection Rating	NEMA 3R
Dimensions	87.44" x 52.4" x 32.2" (HxWxD)
Weight	~ 1,544 lbs

AC Input - Grid Connection	
AC Connection	AC 3-phase L1, L2, L3, PE
Input Voltage	480 VAC, 3 Phase, +10% / -15%
Frequency	47 – 63 Hz
Input Current Rating	238A

Connectivity	
Communication	LAN · WiFi · Cellular
Protocol	OCPP 1.6J

Certifications	
Safety and EMC Standards	UL STD 2022, 2231 CSA STD C22.2 NO. 107.1 

Contact

ejward.com/contact/