

180kW Level 3

# 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" touchscreen options
- Credit card and RFID payment options
- Modular system for future upgrades
- Integrated cord retraction
- Compact design

✓ **NEVI Compliant**

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

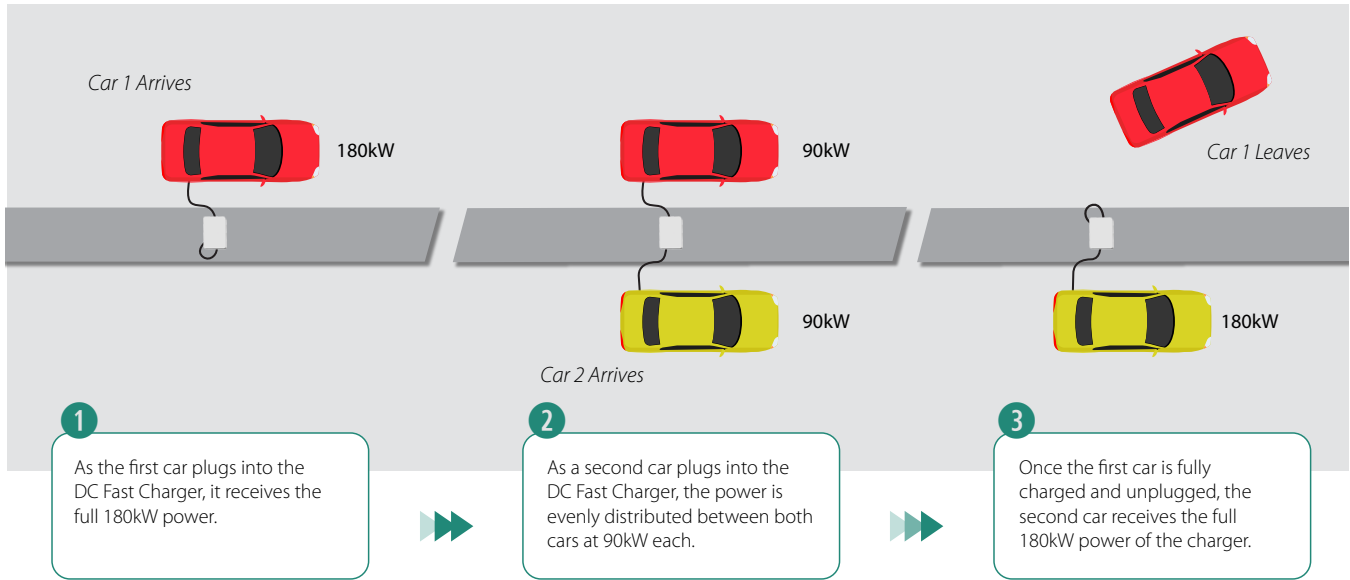


### Applications

Fleets  
EV mobility service providers  
Gas stations and C-stores  
Commercial lots  
Multi-Family housing

# Simultaneous Charging

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



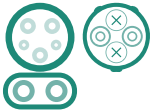
## Retractable 15.4' Charging Cables

Minimize cable wear and damage  
improve customer experience

## 15" Standard, 32" Optional Customizable Touchscreen

Optimize signage advertise price

## CCS1 and CHAdeMO Connector Options



## Serviceable By Design Front and Side Door Access

Lightweight internal components maintenance can be managed by single person

## Liquid Cooled Cables for Increased Range and Faster Charge Times

A Continuous charging serve more tomers 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

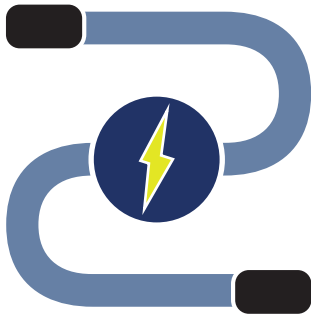
## Credit Card and RFID Payment Options

## ADA Compliant



**i** With 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.

# 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.

## Reduced total cost of ownership

Proven, reliable technology offers minimal to no maintenance.

## 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.

## Improved user experience

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

**i** 45% of EVs will benefit from Liquid Cooled Cables

Cable Type	400 Volt Passenger EVs	900 Volt Passenger EVs	Weight Comparison of 10ft Cable
<b>500A Liquid Cooled Cable</b>	180kW 80% charge 10-15 minutes	180kW 80% charge 10-15 minutes	11 lbs
<b>300A Non-Liquid Cooled Cable</b>	120kW 80% charge 15-23 minutes	180kW 80% charge 10-15 minutes	22 lbs
<b>200A Non-Liquid Cooled Cable</b>	80kW 80% charge 35-40 minutes	180kW 80% charge 10-15 minutes	13 lbs

**i** Comparing the competition:  
300A cable weighs 36 lbs

# Specifications

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

CHAdeMO - DC Charge	
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 in. (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

[www.simplyfuelsolutions/connect/](http://www.simplyfuelsolutions/connect/)