

Level 3 Split System 360 kW

Gen 4 Fleet Dispenser

Dynamic Power Sharing for DC Charging Fleets

Designed for fleet customers, sequential charging is available at the dispenser level. With two vehicles plugged into one dispenser, the second vehicle begins charging after the first vehicle is complete. This offers the ability of up to eight vehicles being charged unattended on a single 360 kW Power Cabinet / four Dispenser system.

Sequential Charging

With the Gen 4 System using four chargers, fleets can charge up to eight vehicles at a time with sequential charging. With up-times being crucial in a fleet environment, this ensures maximum charging for optimal vehicle usage. Up to four vehicles will charge simultaneously, while up to four will sit in queue and charge sequentially, allowing up to eight vehicles to charge unattended.

KEY FEATURES

- Charge up to eight vehicles unattended
- Only one 600 A 480 VAC breaker needed
- ADA Compliant

OPTIONS

- Single CCS1 connector
- Single or dual cables
- Cable retraction system
- CC and PnC payment options



Sequential Charging

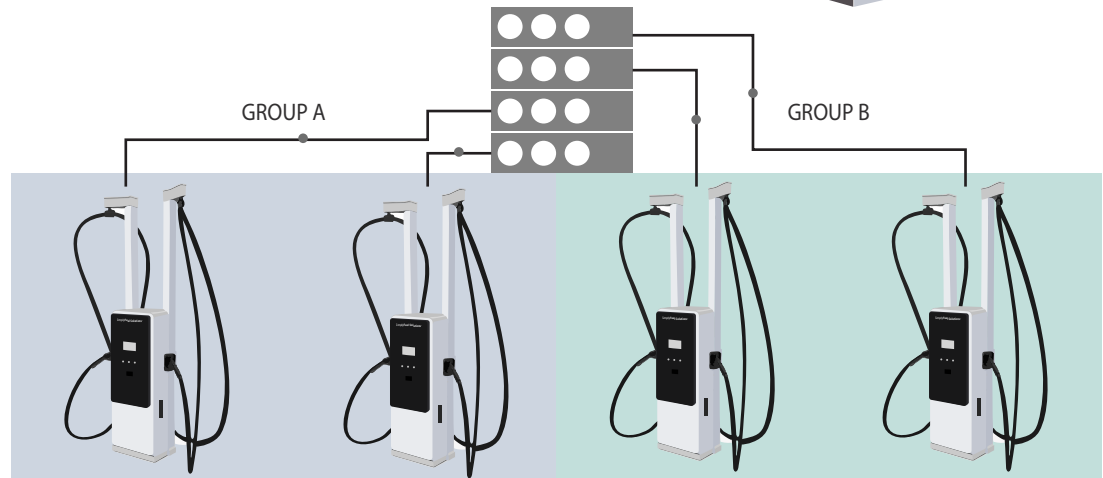
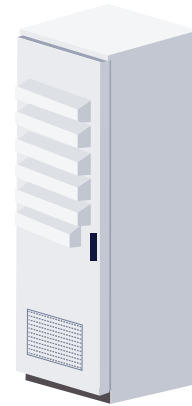
Group A

When two vehicles are plugged into one dispenser, EV#1 will charge up to 180kW. Upon completion, sequential charging is initiated and EV#2 will begin charging (up to 180 kW).

If EV#3 and EV#4 are also plugged in, charge will be 90kW for EV#1 and EV#3 then EV#2 and EV#4.

Group B

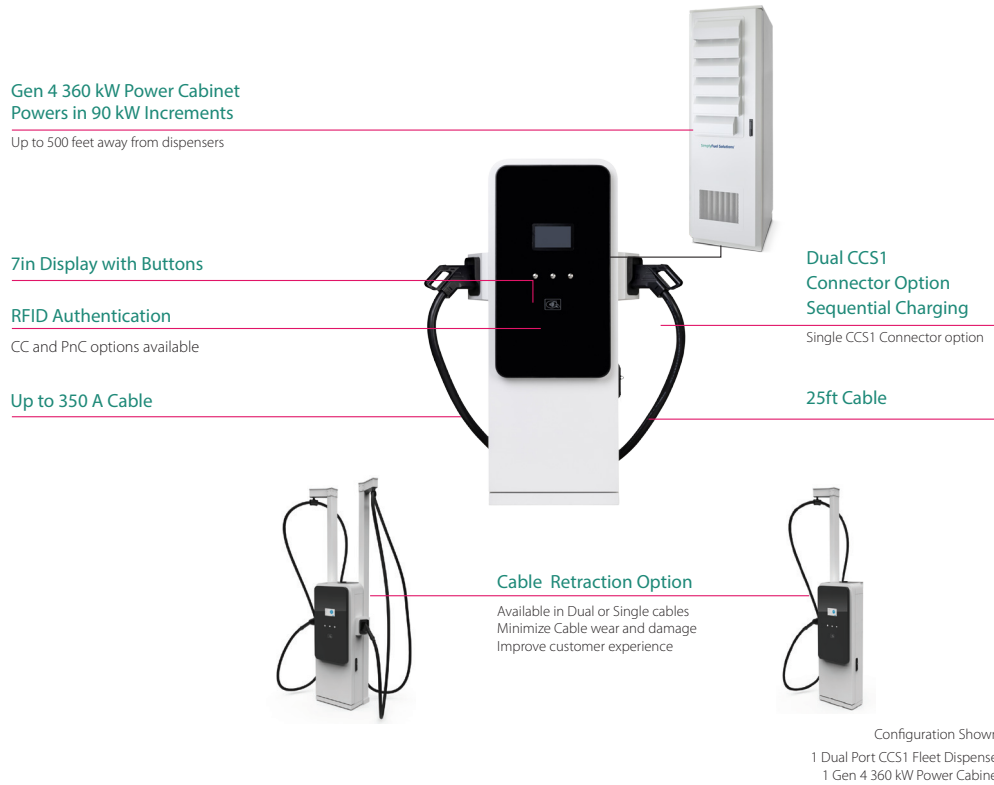
Group B offers the same charging sequence. EV#5 and EV#7 can charge at up to 90kW simultaneously, while EV#6 and EV#8 will initiate charging sequentially after EV#5 and EV#7 are complete.



	GROUP A				GROUP B			
	1	2	1	2	1	2	1	2
1 Car 1 starts charging up to 180 kW	<180 kW*	0 kW	0 kW	0 kW	<180 kW*	0 kW	0 kW	0 kW
2 Car 3 starts charging, Car 1 charging reduced to 90 kW	<90 kW	0 kW	<90 kW	0 kW	<90 kW	0 kW	<90 kW	0 kW
3 Car 1 stops charging, Car 2 starts charging	0 kW	<90 kW	<90 kW	0 kW	0 kW	<90 kW	<90 kW	0 kW
4 Car 3 stops charging, Car 4 starts charging	0 A	<90 kW	0 A	<90 kW	0 kW	<90 kW	0 kW	<90 kW
	EV #1	EV #2	EV #3	EV #4	EV #5	EV #6	EV #7	EV #8

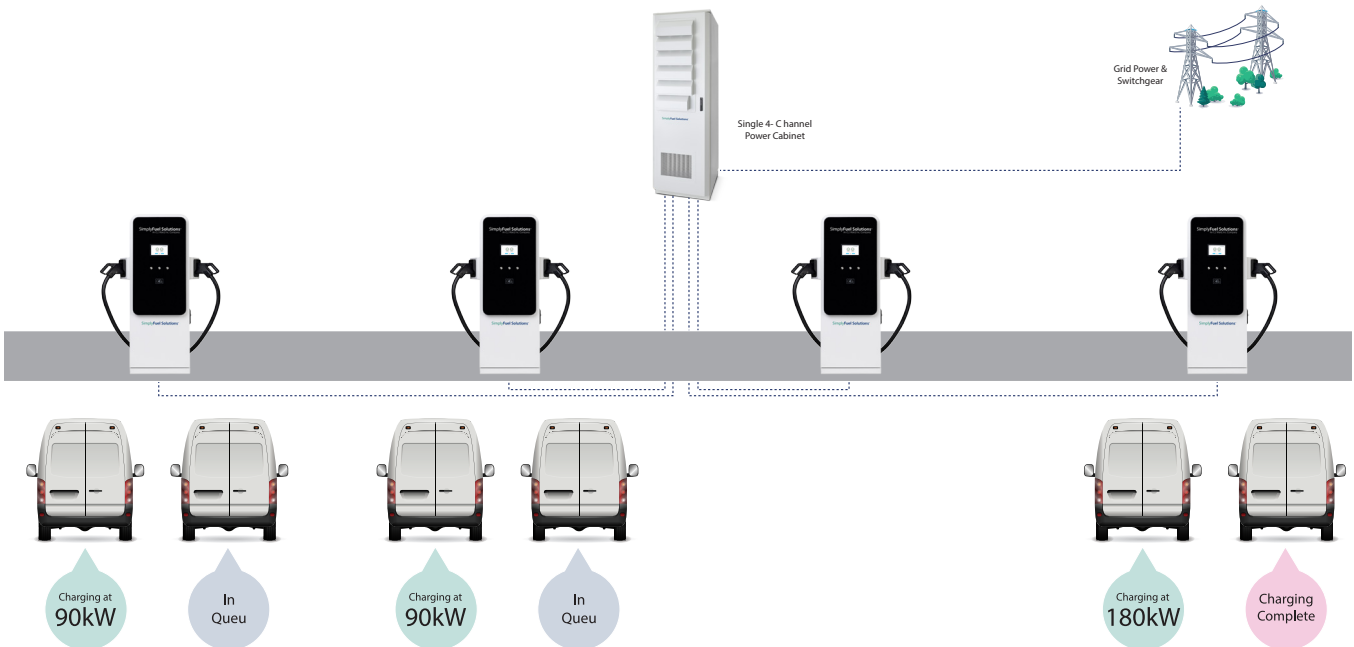
Charge Eight Vehicles Unattended

With the four channel Gen 4 Fleet System's sequential charging, fleets can charge up to eight vehicles at a time unattended. With uptimes being crucial in a fleet environment, this ensures maximum charging for optimal vehicle usage. Up to four vehicles will charge simultaneously, while up to four will sit in queue and charge sequentially, allowing up to eight vehicles to charge unattended.



Single Tower, Four Dispenser System

In the single Tower / four dispenser system, the dispensers are split into two groups of two (Group A and Group B). Each group can output a total of 180 kW. When the charging is complete, the charge sequences to the next vehicle plugged in and charges on its own. The infrastructure is simplified because only one 600 A 480 VAC breaker is needed.



Specifications

Dispenser

SKU	HPCD8-350-02-715		HPCD8-350-05-715
	Sequential		Single Output
Connectors	SAE CCS1	SAE CCS1	SAE CCS1
Max. DC Output Current Per Channel	350 A	350 A	350 A
Max DC Voltage (VDC)	950 V	950 V	950 V
Input Power (Auxiliary)	480 VAC Split Phase		
Input Current (Auxiliary)	5 A		
Network	OCPP 1.6 (OCPP 2.0.1 available in future)		
Dimensions	32 x 15 x 60 in (WxDxH)		
Weight	370 lbs		320 lbs

360kW Power Cabinet

SKU	HPCT2-240-480-2	HPCT2-360-480-2	HPCT3-240-480-4	HPCT3-360-480-4
Power Rating	240 kW	360 kW	240 kW	360 kW
Number of DC Outputs	2	2	4	4
Input Voltage Range	480 VAC, 3 Phase, +10% / -15%, 60Hz +/-10%			
Input Current @ 480 VAC	320 A	466 A	320 A	466 A
Breaker Size	400 A	600 A	400 A	600 A
Power Factor	> 0.99 full load (Compliant with IEEE 519-2022)			
Efficiency	> 94%			
Max Power/ Output	240 kW	360 kW	240 kW	360 kW
Max. DC Output Current Per Channel	500 A			
DC Voltage Range	200 - 950 VDC			
Dimensions	30 x 34.5 x 93 in (WxDxH)			
Weight	1,556 lbs	1,655 lbs	1,600 lbs	1,700 lbs

Environmental and Compliance (System)

Ambient Condition	-30 °C to +50 °C, 95% Humidity (Non-Condensing), 2000m Altitude, NEMA 3R
Safety Compliance	ETL Listed for USA and Canada: Complies with UL 2202, UL 2231, UL50E, NEC Article 625, CSA STD C22.2 No. 107.1 FCC Part 15 Class A



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



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