

BTC POWER

GEN4 180kW

All-in-One DC Fast Charger

The Smart
Alternative for
EV Charging
Innovation



Meet the next generation of best-in-class EV charging station performance. Meet GEN4.

Experience the next generation of EV charging stations, with BTC POWER's GEN4 All-in-One 180kW DC Fast Charger.

GEN4 offers everything needed for electric vehicle (EV) charging – speed, convenience, flexibility, reliability, and low total cost of ownership.

BTC POWER's well-known legacy of innovation is also found in GEN4's high-performance design, with future-forward liquid cooled cable technology to support advanced 500A charging applications.



GEN4 180kW

All-in-One DC Fast Charger

EV CHARGING IN 10 MINS

Introducing BTC POWER's Gen4 180kW All-in-one (AiO) DC Fast Charger for Electric Vehicles (EVs). 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.



Liquid Cooled Cables
for Increased Amprage
and Faster Charge Times

500A Continuous Charging
Serve More Customers
in Less Time
Ready for Future EV
Requirements

15" Standard, 32" Optional
Customizeable 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 Single Person

87.5" H

Retractable 15.4 ft.
Charging Cables

Minimize Cable
Wear and Damage
Improve Customer
Experience

Temperature Range
-22°F to 122°F
(-30°C to 50°C)

Simultaneous
Charging

Service up to
2 Vehicles at a Time

Credit Card
and RFID
Payment Options

ADA Compliant

52.5" W

32.2" D

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

BTC POWER's proven, reliable technology offers minimal to no maintenance.

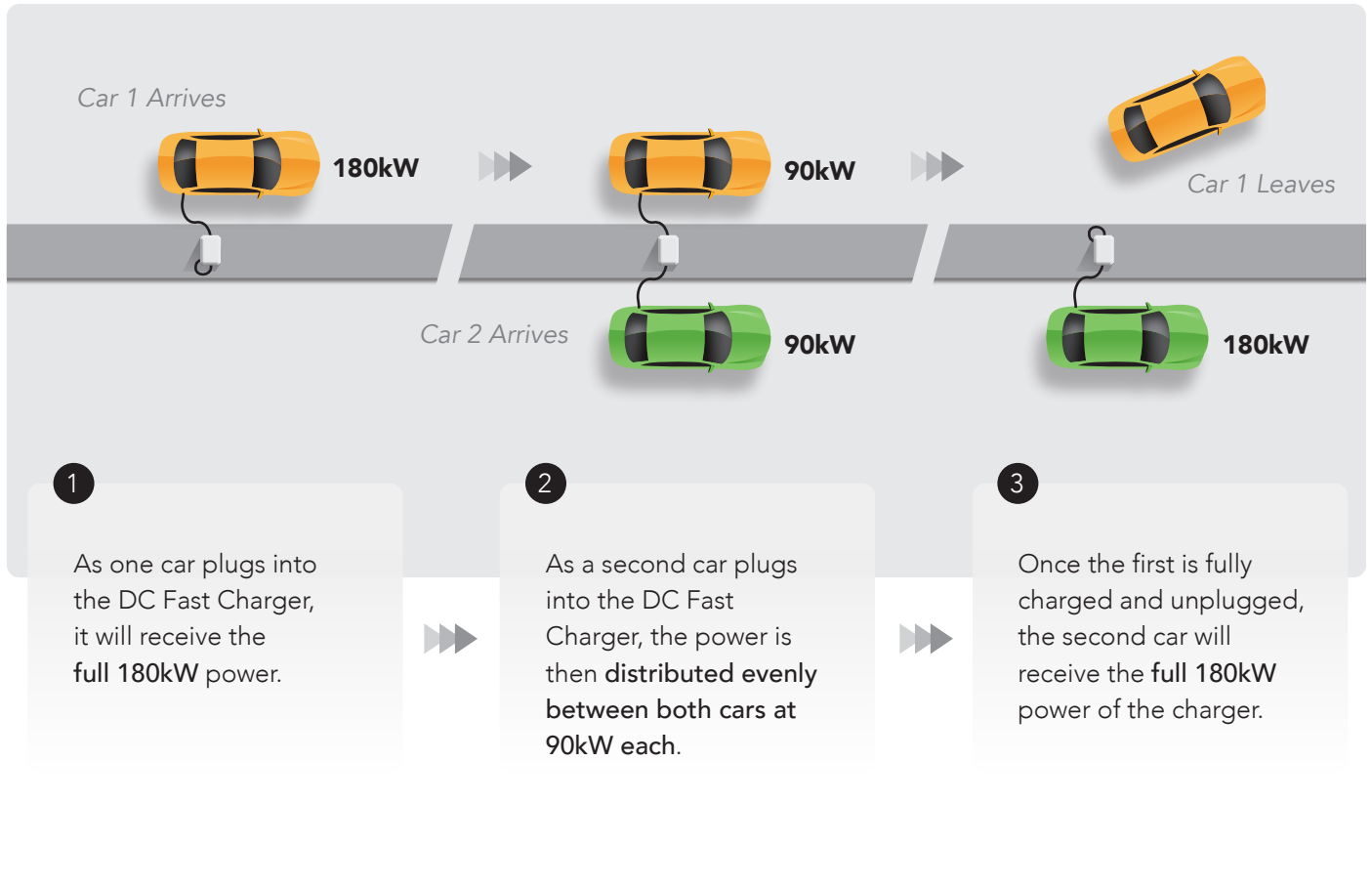
► 45% of EVs will benefit from Liquid Cooled Cables

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

Comparing to the Competition: 300A Cable weighs 36 lbs

Simultaneous Charging

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



Future Ready Applications



General



Fleet



CPO



Gas Stations



C-Stores



Technical Specifications

Charging - Output 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.

System Specifications

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 (HxWxD)	87.44" x 52.4" x 32.2"
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

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

Safety and EMC Standards

- UL STD 2022, 2231
- CSA STD C22.2 NO. 107.1



BTC POWER

BTC POWER is a leading manufacturer of electric vehicle charging systems in North America. BTC POWER's product portfolio consists of both DC and AC charging systems with power ranges from 6.6kW to 350kW. With over 18,000 charging systems sold worldwide, BTC POWER's DC Fast Chargers and AC Chargers serve Charge Point Operators, Oil & Gas, Convenient Stores, Retail Centers, Fleets and more for charging electric vehicles, heavy duty transit shuttle and school buses, fleets, and other specialty vehicles.



Buy America Compliant
BTC POWER's U.S. manufacturing capabilities are expected to comply with "Buy America" standards established by the Federal Highway Administration ("FHWA"), Federal Transit Administration ("FTA"), and Infrastructure Investment and Jobs Act ("IIJA").

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