

BTC POWER

# Gen 4 120-180 kW 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 Gen 4.

Experience the next generation of EV charging stations, with BTC POWER's Gen 4 All-in-One 180 kW DC Fast Charger.

Gen 4 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 Gen 4's high-performance design, with future-forward liquid cooled cable technology to support advanced 500A charging applications.



## Gen 4 180 kW | All-in-One DC Fast Charger

EV CHARGING IN 10 MINS

Introducing BTC POWER's Gen 4 180 kW All-in-One (AiO) DC Fast Charger for Electric Vehicles (EVs). Featuring optional liquid cooled cables, the 180 kW 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.



\*Configuration Shown:  
1 Dual Port CCS1/CHAdeMO,  
32" Screen All-in-One

# 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.

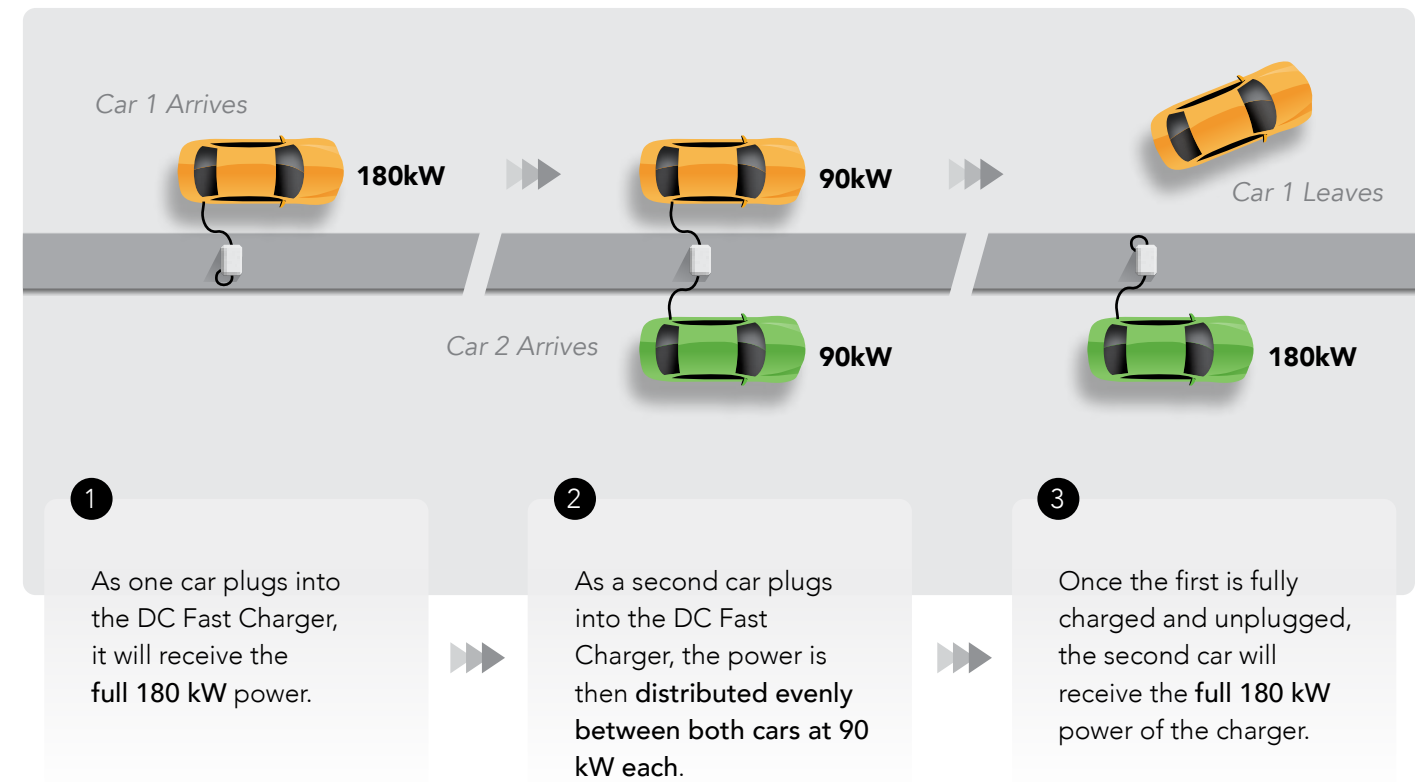
▶ 45% of EVs will benefit from Liquid Cooled Cables







	400 Volt Passenger EVs	900 Volt Passenger EVs	Weight Comparison of 11ft Cable
500A Liquid Cooled Cable	180kW 80% Charge 10-15 Mins	180kW 80% Charge 10-15 Mins	1.1 lbs/ft
300A Non-Liquid Cooled Cable	120kW 80% Charge 15-23 Mins	180kW 80% Charge 10-15 Mins	2.2 lbs/ft
200A Non-Liquid Cooled Cable	80kW 80% Charge 35-40 Mins	180kW 80% Charge 10-15 Mins	1.3 lbs/ft

Comparing to the Competition: 300A Cable weighs 36 lbs

## Simultaneous Charging

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



-  General
-  Fleet
-  CPO
-  Fuel Station
-  Retail
-  OEM



## Gen 4 All-in-One DC Fast Charger

### Charging - Output Specifications

CCS-1 - DC Charging	L3A - 120	L3A - 150	L3A - 180
Max Power Rating	120 kW	150 kW	180 kW
Output Voltage Range	200 – 920 VDC		
Output Current	200 A	500 A	500 A
Cable Length	15.4 ft		

CHAdeMO - DC Charging	
Max Power Rating	100 kW
Output Voltage Range	200 – 500 VDC
Output Current	200 A
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 (WxDxH)	32.3" W x 30.3" D x 86.1" H (Footprint)
Weight	~1544 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	158 A      190 A      238 A

Connectivity	
Communication	LAN · WiFi · Cellular
Protocol	OCPP 1.6J (2.0.1 Ready)

### Certifications, Safety, and EMC Standards

- UL STD 2022, 2231
- CSA STD C22.2 NO. 107.1
- FCC Part 15 Class A
- CTEP Certified

### Key Features

- CCS1 / CHAdeMO / NACS Connector Options
- Simultaneous Charging
- Liquid Cooled Cables for 500A Continuous Charging
- 15" or 32" Touchscreen
- Credit Card and RFID Payment Options
- Modular System for Future Upgrades
- Integrated Cord Retraction
- ISO 15118 Certified



# 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 7.2 kW to 360kW. With over 25,000 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").

Headquarters: 17671 Cowan, Ste 200  
Irvine, CA 92606, U.S.A.  
BTCPOWER.COM  
Facilities: California, U.S.A. | Cebu, Philippines

While this information is presented in good faith and believed to be accurate, BTC POWER does not guarantee satisfactory results from reliance on such information. Nothing contained herein is to be construed as a warranty or guarantee, expressed or implied, regarding the performance, merchantability, fitness or any other matter with respect to the products, nor as a recommendation to use any product or process in conflict with any patent. BTC POWER reserves the right, without notice, to alter or improve the designs or specifications of the products described herein.