

BTC POWER

360kW

DC Charging Split System

Dynamic Power
Allocation for
Fast Charging



360 kW Split System | DC Fast Charging

Gen2 Dispenser

SKU	HPCD1-350-01-003		HPCD1-350-02-003	
Connectors	CHAdEMO	SAE CCS1 (Liquid Cooled)	SAE CCS1 (Liquid Cooled)	SAE CCS1 (Liquid Cooled)
Rated Output Current	200 A	350 A (500 A Boost)	350 A (500 A Boost)	350 A (500 A Boost)
Max DC Voltage (VDC)	500 V	950 V	950 V	950 V
Output Power	350kW Max			
Input Power (Auxiliary)	120 VAC			
Input Current (Auxiliary)	21 A (FLA)			
Breaker Size	30 A			
Network	OPP 1.6. BTCP Network			
Dimension & Weight	22"W x 15" D x 97"H, 600 lbs			

Gen4 Power Cabinet/Tower

SKU	HPCT2-180-480-2	HPCT2-240-480-2	HPCT2-360-480-2
Power Rating	180 kW	240 kW	360 kW
Number of Power Engines	6	8	12
Input Voltage Range	480 VAC, 3 Phase, +10% / -15%	480 VAC, 3 Phase, +10% / -15%	480 VAC, 3 Phase, +10% / -15%
Input Current @ 480 VAC	239 A	320 A	466 A
Power Factor	> 0.99 full load	> 0.99 full load	> 0.99 full load
Efficiency	> 94%	> 94%	> 94%
Max. Out DC Current (Per Channel)	500 A	500 A	500 A
Max. Output DC Voltage	200 - 950 VDC	200 - 950 VDC	200 - 950 VDC
Max # of Dispensers	2	2	2
Dimension & Weight	30"W x 34.5"D x 93" H, 1,446 lbs	30"W x 34.5"D x 93" H, 1,556 lbs	30"W x 34.5"D x 93" H, 1,655 lbs

Environmental and Compliance (System)

Ambient Condition	-30 °C to +50 °C, 95% Humidity, 6000 ft 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

Features

Standard

Dynamic Power Allocation in 90kW increments
System available in 1 or 2-dispenser configuration
Payment types: CC, RFID (OCPP Network Enabled)
15" Outdoor Color Display
Connector Configuration:
Dual CCS1
CHAdEMO and CCS1

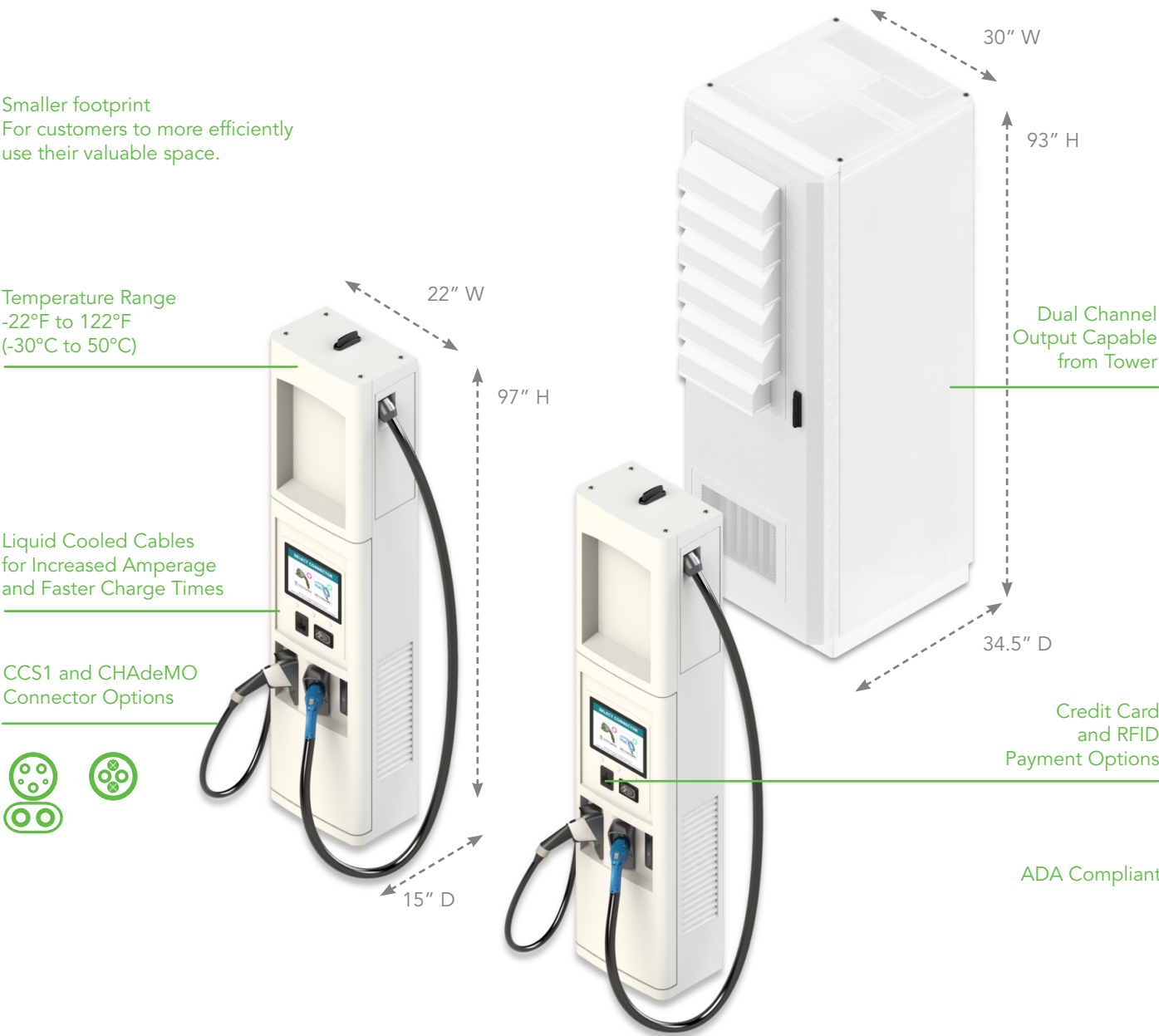
Optional

ISO 15118:2014
Customizable Backlit Acrylic Topper
Apple & Android Pay (based on network provider)

BTC POWER's Gen4 360 kW DC Fast Charger for Electric Vehicles (EVs).

High Powered DC Charging with up to 500A continuous. Future proofed charging with max 1,000 VDC architecture. System available with up to 360 kW power level configuration. System can charge up to 2 vehicles with separate dispensers using the same tower. The charging system can interface with every central system which supports OCPP.

AVAILABLE: NORTH AMERICA (INCLUDING BUY AMERICA), EU, AND UK



*Configuration Shown:
2x Gen 2 HPC Dispensers
1x Gen 4 360 kW Power Cabinet

Dynamic Power Sharing

Dynamic power sharing refers to the process of sharing the total power available in the system among multiple outputs based on system capabilities, and real time vehicle demand

First In - First Out

After providing full power allocation to the first vehicle that plugs-in, the system continuously monitors the demand from each output. Then can dynamically allocate power in 90kW steps, therefore ensuring that power is delivered efficiently and reliably to all vehicles throughout the charging process.

Equal Power Share

After providing full power allocation to the first vehicle that plugs-in, the system automatically splits power equally between outputs when both are in use. Each vehicle always gets allocated a minimum of 180kW.

Our modular approach, paired with power sharing options, provides you the flexibility to choose what best suits your application needs, while complying with specific site requirements such as NEVI.



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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