BTC POWER

Gen 4 Split System

The Next Generation of Dynamic Power Sharing for DC Charging

360 kW Split System | DC Fast Charging

Gen4 Public Dispenser

SKU	HPCD7-500-01-016		HPCD7-500-05-016	HPCD7-500-02-016	
Connectors	CHAdeMO	SAE CCS1 (Liquid Cooled)	SAE CCS1 (Liquid Cooled)	SAE CCS1 (Liquid Cooled)	SAE CCS1 (Liquid Cooled)
Rated Output Current	200 A	500 A	500 A	400 A* (500 A Boost)	400 A* (500 A Boost)
Max DC Voltage (VDC)	500 V	950 V	950 V	950 V	950 V
Output Power	350 kW Max				
Input Power (Auxiliary)	480 VAC Split Phase				
Input Current (Auxiliary)	7 A				
Network	OCPP 1.6 BTCP (OCPP 2.0.1 available in future)				
Dimension & Weight	23" W x 18.5" D x 92.4"H, 1,100 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%, 60Hz +/-10%		
Input Current @ 480 VAC	239 A	320 A	466 A
Breaker Size	300 A	400 A	600 A
Power Factor	> 0.99 full load (Compliant with IEEE 519-2022)		
Efficiency	> 94%		
Max. Out DC Current (Per Channel)	540 A		
Max. Output DC Voltage	200 - 950 VDC		
Max # of Dispensers	2		
Dimension & Weight Inches	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, 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

Features

Standard	*Optional*
Dynamic Power Allocation in 90 kW increments	ISO 15118:2014
System available in 1 or 2-dispenser configuration	Customizable branding
Payment types: RFID	Apple & Android Pay (based on network provider)
15" Outdoor color touch display	Payter CC Reader
Connector configurations:	
Single or Dual CCS1	
CHAdeMO and CCS1 (NACS Coming Soon)	
CTEP & EnergyStar™ Certified	

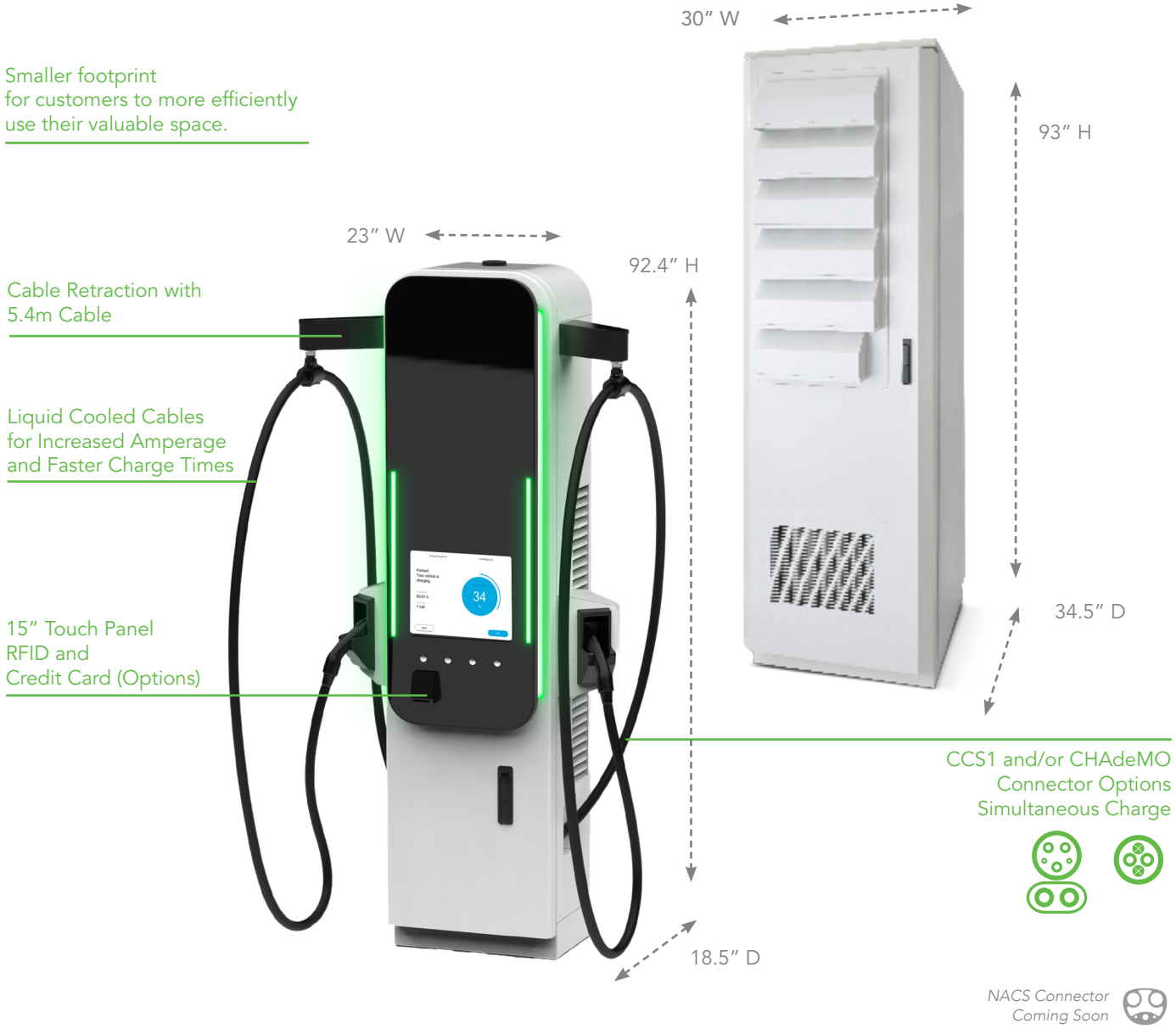
**Subject to Ambient Conditions*

ENERGY STAR

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

High powered DC charging with up to 500 A 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 two vehicles with a single dispenser using the same tower. This leads to a more efficient installation and use of space. The charging system can interface with every central system which supports OCPP.

Available: Standard = Q1 2024, Buy America = Q3 2024



**Configuration Shown:*
1x Gen 4 Public Dispenser
1x Gen 4 360 kW Power Cabinet
ADA Compliant

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

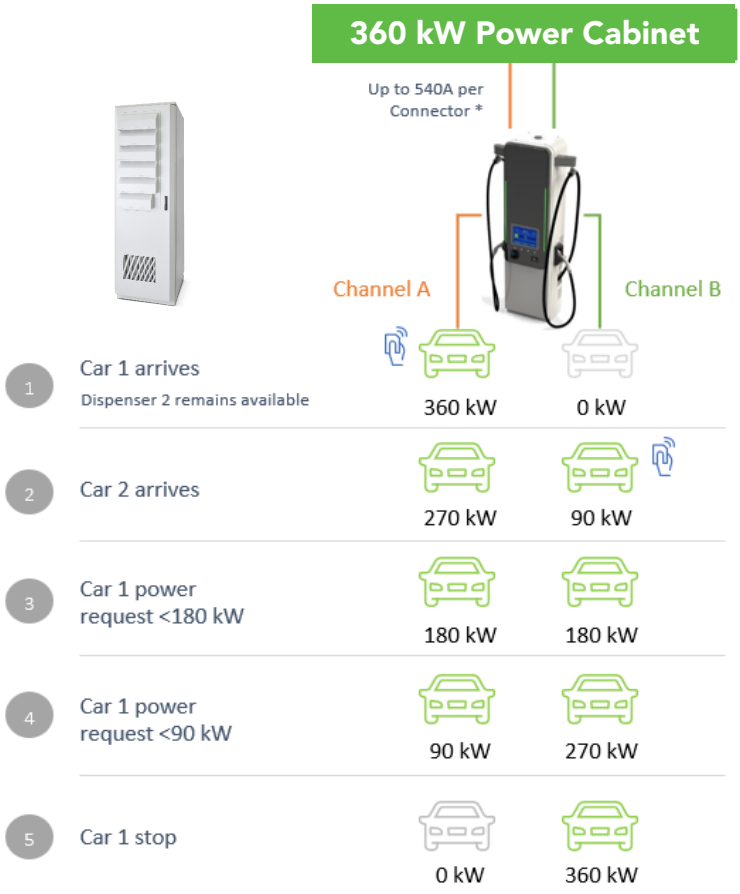
Car #1 can charge up to 360kW with no other EV charging. When Car #2 begins charging, Car #1 gets priority up to 270kW. As Car #1's requested power decreases, the Gen4 system can allocate power in 90kW increments, distributing that power to Car #2. See graphic.

Equal Power Sharing

Car #1 can charge up to 360kW with no other EV connected. When Car #2 starts charging, the Gen4 system splits power equally to both EVs, up to 180kW each. This option is compliant with NEVI requirements.

General Statement

Our modular approach, paired with power sharing options, provides you the flexibility to choose what best suits your application needs.



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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BUY AMERICA COMPLIANT