POWER TECHNOLOGY
THE EV CHARGING COMPANY

POWER TECHNOLOGY SOLUTIONS / PRODUCT SPECIFICATIONS

DC HiPower Modular

A distributed charging system for large fleet depots and charging hubs that pair centralized power cabinets with separate dispensers.

System architecture	Shared DC power cabinets with separate dispensers
Dispenser configurations	Select CCS1, SAE J3400 (NACS), and MCS options
Cabinet and port ratings	Specified for the proposed cabinet, dispenser and cable configuration

Confirm specifications, connectors and options for your selected configuration with Power Technology Solutions.

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DC HiPower Modular

DS600, DS1200 and DS1800 power cabinets

	DS600	2 × DS600 (DS1200)	3 × DS600 (DS1800)
DC Output			
Output Power	300kW - 600kW	800kW - 1200kW	1000kW - 1800kW
Minimum Adjustable Power	50kW granularity		
Output Voltage	150 - 1000V		
Peak Efficiency	97%		
Charging Mode	CCS1, J3400/NACS, MCS (Depends on configuration)		
Number of Outputs	8 × CCS1/NACS	14 (1 × MCS+13 × CCS1/NACS) or 16 × CCS1/NACS	20 (2 × MCS+18 × CCS1/NACS) or 24 × CCS1/NACS
AC Input			
Input Voltage	3-phase 480V AC +10%/-15% (2 Routes)	3-phase 480V AC +10%/-15% (4 Routes)	3-phase 480V AC +10%/-15% (6 Routes)
Input Current (each route)	Rated: 396A (Max. 439A)		
Input Frequency	60Hz ±5%		
Input Connection	3 Phase+PE		
Power Factor	≥0.99		
Controllable PF Range	±0.9[1]		
Harmonic Distortion (THDi)	≤3% (Full Load)		
General Specifications			
Dimensions (W×D×H)	30.79 inch × 30.79 inch × 84.84 inch (782mm × 782mm × 2155mm)	61.57 inch × 30.79 inch × 84.84 inch (1564mm × 782mm × 2155mm)	92.36 inch × 30.79 inch × 84.84 inch (2346mm × 782mm × 2155mm)
Weight	1576.30 lb (715kg)[2]	3152.61 lb (1430kg)[2]	4728.91 lb (2145kg)[2]
Standby Power	≤85W (Depending on configuration)	≤160W (Depending on configuration)	≤240W (Depending on configuration)
Connectivity	Double SIM 4G, 5G, Wi-Fi, Ethernet		
Short Circuit Current Rating	65kA		
Enclosure Rating	NEMA 3R (IP54)		
Impact Resistance	IK10		
Software Update	OTA updates via web portal, FTP, FTPS, HTTPS		
Accessibility	Meets ADA requirements for height, reach, and user interface		
Emergency Button	Yes		
Warranty	24 months, warranty extension possible		
User Interface			
Status Indication	Yes		
Communication Protocols	OCPP 1.6J (OCPP 2.0.1 Optional)		
Environmental Specifications			
Humidity	<95% RH, non-condensing		
Operating Altitude	≤6561.68 ft (2000m)		
Operating Temperature Range	-31°F to 131°F (-35°C to 55°C)		
Storage Temperature Range	-40°F to 158°F (-40°C to 70°C)		
Noise	≤55dBA[3](Silent Mode)		
EMC Compliance	FCC Part 15 Class A		
Compliance and Safety	UL 2202 3rd, UL 2231, CSA C22.2, Energy Star		
Certification	UL/cUL, FCC		

(1) Coming soon
(2) Depending on the configuration
(3) Standard environmental conditions at 77°F [25°C], 3.3 ft [1 m] distance

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DC HiPower Modular

DT500 and DT800 dispensers

	DT800	DT500
DC Output		
Output Current	Liquid-cooled Cable: 2 × CCS1: 500A (Max . 800A) 2 × J3400/NACS: 500A (Max. 800A)	Air-cooled Cable: 2 × CCS1: 400A (Max. 500A) 2 × J3400/NACS: 380A (Max. 500A)
Output Voltage	150 - 1000V	
Number of Outputs	2 or 1	
Charging Mode	2 × CCS1; 2 × J3400/NACS; 1 × J3400/NACS+1 × CCS1; 1 × CCS1; 1 × J3400/NACS	
General Specifications		
Dimensions (W×D×H)	12.68 inch × 12.68 inch × 76.77 inch (322mm × 322mm × 1950mm)	12.68 inch × 12.68 inch × 64.96 inch (322mm × 322mm × 1650mm)
Cable Length	16.40 ft (5m)	16.40 ft (5m); Optional: 23.62 ft (7.2m)
Weight	418.88 lb (190kg) [1]	374.79 lb (170kg) [1]
Accessibility	Meets ADA requirements for height, reach, and user interface	
Screen Type	8 inch LCD touch screen with 2 buttons	
Energy Metering	CTEP/NTEP	
Standby Power	<65W	
Enclosure Rating	NEMA 3R (IP55)	
Impact Resistance	IK10	
Communication to the EV	ISO 15118-2 with PnC (ISO 15118-20 ready), DIN 70121	
Software Update	OTA updates via web portal, FTP, FTPS, HTTPS	
Emergency Button	Yes	
Warranty	24 months, warranty extension possible	
User Interface		
Status Indication	Yes	
Languages	English, French, etc. (GUI in 29 languages)	
RFID Protocols	ISO 14443 A/B, ISO/IEC 15693, MIFARE	
Credit Card Readers	Nayax VPOS, Payter Apollo Polar, PAX IM30, Castles S1U2	
Authorization Methods	AutoCharge, Plug & Charge, APP, RFID card, QR code, Credit Card (Optional)	
Communication Protocols	OCPP 1.6J (OCPP 2.0.1 Optional)	
Cable Management System	Yes	
Environmental Specifications		
Humidity	<95% RH, non-condensing	
Operating Altitude	≤6561.68 ft (2000m)	
Operating Temperature Range	-31°F to 131°F (-35°C to 55°C) [3]	
Storage Temperature Range	-40°F to 158°F (-40°C to 70°C)	
Noise	≤55dBA [2] (Silent Mode)	
EMC Compliance	FCC Part 15 Class A	
Compliance and Safety	UL 2202 3rd, UL 2231, CSA C22.2, Energy Star	
Certification	UL/cUL, FCC	

(1) Depending on the configuration
(2) Based on actual measurements from laboratory tests
(3) Standard environmental conditions at 77°F [25°C], 3.3 ft [1 m] distance

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DC HiPower Modular

DT1500 megawatt dispenser

	DT1500
DC Output	
Output Current	Liquid-cooled Cable: MCS: 1500A + CCS1 or J3400/NACS: 500A (Max. 800A)
Output Voltage	150 - 1000V
Number of Outputs	2
Charging Mode	1 × MCS + 1 × CCS1 or J3400/NACS
General Specifications	
Dimensions (W×D×H)	11.02 inch × 30.71 inch × 89.96 inch (280mm × 780mm × 2285mm)
Cable Length	MCS: 9.84 ft (3m) + CCS1 or J3400/NACS: 16.40 ft (5m)
Weight	683.43 lb (310kg)[1]
Screen Type	8 inch LCD touch screen with 2 buttons
Energy Metering	CTEP/NTEP
Standby Power	<65W
Enclosure Rating	NEMA 3R (IP55)
Impact Resistance	IK10
Communication to the EV	ISO 15118-2 with PnC (ISO 15118-20 ready), DIN 70121
Software Update	OTA updates via web portal, FTP, FTPS, HTTPS
Emergency Button	Yes
Warranty	24 months, warranty extension possible
User Interface	
Status Indication	Yes
Languages	English, French, etc. (GUI in 29 languages)
RFID Protocols	ISO 14443 A/B, ISO/IEC 15693, MIFARE
Credit Card Readers	Nayax VPOS, Payter Apollo Polar, PAX IM30, Castles S1U2
Authorization Methods	AutoCharge, Plug & Charge, APP, RFID card, QR code, Credit Card (Optional)
Communication Protocols	OCPP 1.6J (OCPP 2.0.1 Optional)
Cable Management System	Yes
Environmental Specifications	
Humidity	<95% RH, non-condensing
Operating Altitude	≤6561.68 ft (2000m)
Operating Temperature Range	-31°F to 131°F (-35°C to 55°C)
Storage Temperature Range	-40°F to 158°F (-40°C to 70°C)
Noise	≤55dBA[2] (Silent Mode)
EMC Compliance	FCC Part 15 Class A
Compliance and Safety	UL 2202 3rd, UL 2231, CSA C22.2, Energy Star
Certification	UL/cUL, FCC

(1) Preliminary data to be verified
(2) Standard environmental conditions at 77°F [25°C], 3.3 ft [1 m] distance

DC HiPower Modular

Configuration and application notes

Selection

DS600, DS1200 and DS1800 cabinet configurations use 50 kW allocation granularity. DT500 is air-cooled, DT800 is liquid-cooled and DT1500 has a 1,500 A MCS output plus CCS1 or J3400/NACS. Source cites 1.08 m² DT-series footprint.

Availability

Features marked optional, coming soon or preliminary are configuration-dependent and subject to verification.

Specifications and hardware warranty terms vary by configuration. Confirm the selected equipment and coverage with Power Technology Solutions.