

Specifications and Features / Wayne PWR™ DC fast chargers

Relentless Reliability. Innovative Technology. Unparalleled Consumer Experience.

A long-time leader in advanced fuel dispensing equipment, Dover Fueling Solutions® brings quality, innovation, reliability and flexibility to EV charging with the Wayne PWR™ DC fast chargers. Engineered for durability with weather protection and temperature reliability, vandal-proofing, UV and scratch resistance. With a 130+ year Wayne® legacy of excellence, designed and manufactured in the USA, Wayne PWR chargers feature a sleek, compact, NEVI-compliant design that is highly reliable and easy to maintain.

Choose from five Wayne PWR configurations to best meet your specific installation requirements.

POWER CABINET SPECIFICATIONS	
Part Numbers	DCC640 (Wayne PWR): powers 3 or 4 charging posts (DCP400) DCC400 (Wayne PWR 400), DCC240 (Wayne PWR 240), DCC200 (Wayne PWR 200) DCC160 (Wayne PWR 160): powers 1 or 2 charging posts (DCP400)
Load and Charging Management	Power cabinet has a dedicated group of power modules to each post, and dynamic groups that can combined to any post
AC Nominal Voltage (RMS)	480V ± 10% (Nominal rating)
Input AC Current @ 480V	DCC640: 850A (=4 posts), DCC400: 531A (≤ 2 posts), DCC240: 319A (≤ 2 posts), DCC200: 266A (≤ 2 posts), DCC160: 213A (≤ 2 posts)
Frequency	55~65Hz
Network Type	3-Phase Wye (TN-C)
Power Factor	≥ 0.99 @20~100% load
THDi (Total Harmonic Distortion)	<5%
Efficiency	≥ 94% @nominal output power
Connectivity	4G cellular, ethernet
Inlet Cable	4 per phase 250MCM-500MCM
Mounting	Free standing cabinet
Power Cabinet Noise Emissions	75 dB within 3 feet
Power Cabinet Dimensions (D x W x H)	Cabinet - 42 in. x 60 in. x 83 in. (1069 mm x 1524 mm x 2101 mm)
Power Cabinet Weight	Cabinet - Max 2500 lbs (1133 kg)

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CHARGING POST SPECIFICATIONS	
Model: DCP400	DCP400/xxxx*
Outputs	(1) per charging post
Cable Holster Location	Right-hand
Max. Distance to Power Cabinet	328 feet (100 meters)
Charging Connection Options	CCS1, NACS
Maximum Total DC Output Power	400kW - (640kW cabinet configuration) 320kW - (400kW cabinet configuration) 200kW - (240kW cabinet configuration) 160kW - (200kW cabinet configuration) 120kW - (160kW cabinet configuration)
Granularity of Output Power	40kW
Maximum Output Current	250A Continuous; 500A boost for limited duration
Output DC Voltage Range	150~1000VDC
Cable Length	13 ft (4 m)
Outlet Holster Location	Right-hand
Cable Retractor	Counter-weighted
User Interface	12-inch touchscreen display
LED Status Lights	Green (Available), Blue (Charging), Red (Off-line)
Mobile Payment	QR code or SMS
RFID Option	Dual-frequency (125/132 kHz & 13.56 MHz)
Payment System	EMV reader, Smart/Chip card reader, contactless reader with direct to host
Multilingual Prompts	English (more options on request)
Receipt Type	Digital
Charging Post Noise Emissions	65 dB within 3 feet

* xxxx is placeholder for various option suffixes

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GENERAL OPERATIONAL SPECIFICATIONS	
Operating Temperature	-40°F ~ 122°F (-40°C ~ 50°C)
Operating Elevation	(6561 ft) 2000m
Environmental Conditions, in Storage	-22°F ~ 158°F `(-30°C ~ 70°C)
Environmental Conditions, Under Transport	-22°F ~ 158°F `(-30°C ~ 70°C)
Humidity (In Operation, Storage)	95% RH, non-condensing

NORMS, COMPLIANCE AND STANDARDS	
Communications Protocol for the Charging Infrastructure	OCPP 2.0.1
Vertical Inclination Angle	Max 5%
Protection Rating Enclosures (Cabinet and Post)	UL 3R
Eurofins Declaration of Conformity	UL 2202, UL 2594, UL 9741, UL 2231, UL 1741 3rd Ed., UL 50E
FCC Standards	FCC Part 15 Class A
Safety Design	Over/under voltage protection, overload protection, current leakage protection, grounding protection, over temp protection, lightning surge protection

