POWER TECHNOLOGY
THE EV CHARGING COMPANY

POWER TECHNOLOGY SOLUTIONS / PRODUCT SPECIFICATIONS

DC Enhanced 25 / 50 kW

Add compact single-port DC charging to commercial properties, dealerships and fleet sites with limited equipment space.

25 kW configuration	208 V AC, three-phase, 83 A maximum DC output
50 kW configuration	480 V AC, three-phase, 150 A maximum DC output
DC output voltage	150–1,000 V DC
Ports	One
Vehicle connector	CCS1 or SAE J3400 (NACS), by SKU
Mounting	Wall or pedestal
Enclosure	NEMA 3R
Communications	OCPP 1.6J, with 2.0.1 optional per OEM

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

POWER TECHNOLOGY
THE EV CHARGING COMPANY

DC Enhanced 25 / 50 kW

25 kW and 50 kW configuration comparison

	DC50 (50kW)	DC50 (25kW)
DC Output		
Output Power	50kW	25kW
Output Voltage	150 - 1000V	150 - 1000V
Output Current (Max.)	CCS1 or J3400/NACS: 150A	CCS1 or J3400/NACS: 83A
Peak Efficiency	97%	95.5%
Number of Outputs (Max.)	1	1
Charging Mode	1 x CCS1 or 1 x J3400/NACS	1 x CCS1 or 1 x J3400/NACS
AC Input		
Input Voltage	3-phase 480V AC +10%/-15%	3-phase 208V AC +10%/-10% [1]
Input Current	Rated: 65A (Max. 72A)	Rated: 77A (Max. 86A)
Input Frequency	60Hz ±5%	
Input Connection	3 Phase+PE	
Power Factor	≥0.99	
Controllable PF Range	±0.9 [1]	
Harmonic Distortion (THDi)	<3% (Half Load)	
General Specifications		
Dimensions (W×D×H)	Excluding Pedestal: 22.05 inch x 9.06 inch x 39.37 inch (560mm x 230mm x 1000mm) Including Pedestal: 22.05 inch x 11.18 inch x 66.77 inch (560mm x 284mm x 1665mm) Including Pedestal with CMS: 22.05 inch x 12.60 inch x 84.84 inch (560mm x 320mm x 2155mm)	
Weight	308.65 lbs (140 kg)[2]	
Mounting	Pedestal or Wall-mounted	
Connectivity	Double SIM 4G, 5G, Wi-Fi, Ethernet	
Screen Type	15.6 inch LCD touch screen with 2 buttons	
Energy Metering	CTEP/NTEP	
Short Circuit Current Rating	25kA	
Cable Length	Standard: 21.33ft; Optional: 9.84ft or 24.61ft (Standard: 6.5m; Optional: 3m or 7.5m) [3]	
Standby Power	<50W [4]	
Enclosure Rating	NEMA 3R (IP54)	
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	
Accessibility	Meets ADA requirements for height, reach, and user interface	
Warranty	24 months, warranty extension possible	
User Interface		
Status Indication	Yes	
Languages	English, French, etc. (GUI in 29 languages)	
Credit Card Readers	Nayax VPOS, Payter Apollo Polar, PAX IM30, Castles S1U2	
RFID Protocols	ISO 14443 A/B, ISO/IEC 15693, MIFARE	
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	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	≤50dBA[5] (Silent Mode)	
EMC Compliance	FCC Part 15 Class A	
Compliance and Safety	UL 2202 3rd, UL 2231, CSA C22.2, Energy Star, OCA 1.6J	
Certification	UL/cUL, FCC	

(1) Coming soon
(2) Depending on the configuration
(3) 9.84ft (3m) charging cable only optional for no CMS version 25/50 kW charger
(4) Measured under screen-off condition
(5) Standard environmental conditions at 68°F [20°C], 3.3 ft [1 m] distance

POWER TECHNOLOGY
THE EV CHARGING COMPANY

DC Enhanced 25 / 50 kW

50 kW alternate configuration

	DC50
DC Output	
Output Power	50kW
Output Voltage	150 - 1000V
Output Current	CCS1 or J3400/NACS: 150A
Peak Efficiency	97%
Number of Outputs	1
Charging Mode	1*CCS1 or 1*J3400/NACS
AC Input	
Input Voltage	480V AC +10%/-15% (1 Route)
Input Frequency	60Hz ±5%
Earthing System	TN-S, TN-C, TN-C-S, TT
Input Connection	3 Phases+PE
Power Factor	>0.99
Harmonic Distortion (THDi)	<3% (Full Load)
Overvoltage Category	AC side (Input) OVC: III
General Specifications	
Dimensions (W×D×H)	Excluding Pedestal Dimensions: 22.05 inch x 9.06 inch x 39.37 inch（560mm x 230mm x 1000mm）
Connectivity	Double SIM 4G, 5G, Wi-Fi, Ethernet
Screen Type	15.6 inch LCD Touch Screen with 2 buttons
Short Circuit Current	25kA
Cable Length	Standard: 9.84ft; Optional: 16.40ft or 24.61ft (Standard: 3m; Optional: 5.5m or 7.5m)
Standby Power	<85W
Enclosure Rating	NEMA 3R
Communication to the EV	ISO/IEC 15118 with PnC, ISO/IEC 15118-20, DIN 70121
Software Update	OTA updates via web portal, FTP, FTPS, HTTPS
Accessibility	Meets ADA requirements for height, reach, and user interface
Warranty	24 months, warranty extension possible
User Interface	
Status Indication	Yes
Languages	English, French (others available via software upgrade)
Credit Card Readers	Nayax VPOS, Payter Apollo Polar, PAX IM30
RFID Protocols	ISO 14443 A/B, ISO/IEC 15693, MIFARE
Payment Terminal	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	≤2000m
Operating Temperature Range	-35°C to 55°C / -31°F to 131°F
Storage Temperature Range	-40°C to 70°C / -40°F to 158°F
Noise	≤50dBA[1] (Silent Mode)
EMC Compliance	FCC 47CFR Part 15B (Class A)
Compliance and Safety	UL 2202, UL 2231-1, UL 2231-2, NEC Article 625, CSA C22.2 No. 346:22, Energy Star, OCA 1.6J
Certification	UL/cUL, FCC

(1) Standard environmental conditions 68°F [20°C], 9.84 ft [3 m] distance

DC Enhanced 25 / 50 kW

Configuration and application notes

Configurations

25 and 50 kW models have different input ratings and maximum output currents. Wall or pedestal mounting is supported, with a published footprint of 0.13 m². The 3 m cable option applies to the version without cable management.

Integration

The product literature identifies the platform as retrofit-ready for vehicle-to-grid operation. Project requirements and availability depend on the configuration.

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