POWER TECHNOLOGY
THE EV CHARGING COMPANY

POWER TECHNOLOGY SOLUTIONS / PRODUCT SPECIFICATIONS

DC Enhanced 40 kW Single Port

Compact single-port DC charging for dealerships, fleets and destinations where a dedicated connector is sufficient.

Output	40 kW
Output voltage	150–950 V DC
Output current	Up to 133 A with CCS1
Vehicle connector	One CCS1
AC input	480 V AC, three-phase, 60 Hz
Enclosure	NEMA 3S per OEM family datasheet
Mounting	Verify wall or pedestal kit for the ordered SKU

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

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40 kW hardware family technical specifications

DC Output Connection

Charging mode	Mode 4: CCS1
Output power	40kW
Output voltage	150-950V
Max output current	CCS1: 133A; CHAdeMO: 125A
Number of outputs	2*CCS1, or 1*CCS1+1*CHAdeMO, or 1*CCS1
Peak efficiency	≥96%

AC Input Connection

Earthing system	3P, PE (No neutral)
Input voltage	3-phase 480V AC+10%~-15%
Input frequency	60Hz
Power factor	≥0.99
Harmonic distortion (THDi)	≤5%

General Characteristics

Enclosure rating	NEMA 3S
Operating altitude	6561.7ft (2000m)
Operating temperature range	-22℉ ~ +131℉ (+113℉ to +131℉ with linear power de-rating) -30℃ ~ +55℃ (+45℃ to +55℃ with linear power de-rating)
Storage temperature range	-40℉ ~ +158℉ (-40℃ ~ +70℃)
Mounting	Wall or floor using a pedestal
Dimensions (H×W×D)	39.4 × 21.7 × 10.4 inch (1000 × 550 × 265 mm)
Screen type	21.5 inch LCD touch screen (1920*1080)
Cable length	18.0ft (5.5m) standard; 24.6ft (7.5m) optional

User Interface

Status indication	LED/LCD/APP
User interface	Charging app; cloud portal
Connectivity	4G, Wi-Fi, Ethernet
Communication protocols	OCPP 1.6J (Can be upgraded to OCPP 2.0.1 later)
User authentication	APP, RFID card, Credit Card (Optional)

Software Update

OTA updates via web portal

Certification and Standards

Safety and compliance	UL 2202, UL 2231-1, UL 2231-2, CSA No.107.1-16, NEC Article 625, ISO 15118
EMC compliance	FCC 15 Class A
Warranty	24 months, warranty extension possible

* All pictures shown are for illustration purpose only. Actual product and specifications may vary due to product enhancement

DC Enhanced 40 kW Single Port

Configuration and application notes

Single-port configuration

This PTS unit uses one CCS1 output. The family table also includes alternate dual-output and CHAdeMO hardware.

Cabinet drawing reference

39.4 in high × 21.7 in wide × 10.4 in deep, excluding the mount.

Controls

21.5-inch Android 10 touch display, OCPP, 18 monitored safety parameters, Plug & Charge, smart charging, cloud monitoring, advertising and configurable app, RFID, card or mobile payment.

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