

Express 250

Specifications and Ordering Information



Express 250

Ordering Information

The order codes below represent specific product configurations. Other product options are available. Please contact ChargePoint Sales for information and order codes.

Hardware

Description		Order Code
Model	Express 250 Station (50 kW) includes 2x Power Modules, 1x CCS1 cable, 1x CHAdeMO cable (NA)	CPE250C-CCS1-CHD
	Express 250 Station (50 kW) includes 2x Power Modules, 1x CCS2 cable, 1x CHAdeMO cable (NA)	CPE250C-CCS2-CHD
Option	Other cable combinations are available using CCS1, CCS2 and CHAdeMO connectors.	Please contact ChargePoint sales

Cloud Plans and Software

Description	Order Code
ChargePoint Cloud Plan	Please contact ChargePoint sales
ChargePoint Assure — Prepaid Assure Plan for one Power Module. Express 250 requires 2x EXPRESS-ASSURE n to cover the two Power Modules and the CPE250 station.	EXPRESS-ASSURE n ¹
ChargePoint Assure — Assure Plan for one Power Module and invoiced annually. Express 250 requires 2x EXPRESS-ASSURE n to cover the two Power Modules and the CPE250 station	EXPRESS-ASSURE n -COMMIT ¹
Software upgrade token for Express 250 to increase max power from 50 kW to 62.5 kW	CPE250C-625-UPGRADE
Station Activation and Configuration	CPSUPPORT-ACTIVE

All CPE250 stations require a cloud plan.

¹ Substitute desired years of service (1, 2, 3, 4, or 5 years) for n

Order Code Examples

If ordering this...	...the order code is
Express 250 Station (50 kW) includes 2x Power Modules, 1x CCS1 cable, 1x CHAdeMO cable (NA)	CPE250C-CCS1-CHD
3 years of prepaid Assure coverage upon successful site validation. Assure covers Power Modules & station. Express 250 requires 2x EXPRESS-ASSURE3 for its 2 Power Modules.	2 x EXPRESS-ASSURE3
Station Activation and Configuration	CPSUPPORT-ACTIVE

Express 250 Specifications

Station Electrical Input

Input Rating	400V AC, 3-phase, 100A, 50 Hz 480V AC, 3-phase, 80A, 60 Hz
Wiring	L1, L2, L3, Neutral & Earth

Station Electrical Output

Max Output Power	62.5 kW*
Output Voltage, Charging	200–1,000V DC
Max Output Current	156A
Max Modules per Station	2

* Default is 50kW, upgrade token is required to access 62.5kW

Paired Station Electrical Output

Paired Max Output Power	125 kW
Paired Max Output Current	CCS1: 174A, CCS2: 200A, CHAdeMO US: 140A EU: 125A

Power Module

Max Output Power per Module	31.25 kW
Max Output Current per Module	78A

Station Functional Interfaces

Max Connector Types per Station	Up to two different connector types per station
Supported Connector Types	CHAdeMO, CCS1 (SAE J1772™ Combo), CCS2 (IEC 61851-23)
Cable Length with Swing Arm	Full Horizontal Reach: 4.27m (168")*
Driver Interaction Display	Full-color 254 mm (10 in) LCD display for driver interaction
Top Display	Full-color 508 mm (20 in) LED display for notifications
Authentication	RFID: ISO 15693, ISO 14443, NEMA EVSE 1.2-2015 (U _R) Tap to Charge (NFC on Apple & Android) Plug and Charge: IEC 15118-1 Remote: Mobile and in vehicle (if supported by vehicle)

* Horizontal reach to typical vehicle charging port: 3.76m (148")

Connectivity Features

Local Area Network	2.4 GHz and 5 GHz WiFi (802.11 b/g/n)
Wide Area Network	4G LTE (fall back to 3G GSM)
Supported Communication Protocols	OCPP
Service and Maintenance	Remote system monitoring, diagnostic, and proactive maintenance

Energy Management Features

Dynamic Power Management	Allows a fixed maximum power output per station or lets the system dynamically manage the power distribution per station
Remote Energy Management	Manage output power via the ChargePoint Admin Portal, API, and Open ADR 2.0b VEN

Safety and Operational Ratings

Vehicle Safety Communication	CHAdeMO – JEVS G104 over CAN, CCS1 – SAE J1772 over PLC and CCS2 — IEC 61851-23
Plug-out Detection	Power terminated per JEVS G104 (CHAdeMO), SAE J2931 (CCS1) and IEC 61851-23 (CCS2)
Station Enclosure Rating	Type 3R, IP44
Safety Compliance	UL listed: complies with UL 2202, UL 2231-1, UL 2231-2 CE marking: complies with IEC 62196, IEC 61851
Station Surge Protection	Tested to IEC 6100-4-5, Level 5 (6 kV @ 3,000A). In geographic areas subject to frequent thunder storms, supplemental surge protection at the service panel is recommended.
EMC Compliance	U.S.: FCC part 15 Class A; EU: EN55011, EN55022 and IEC61000-4
Power Module Conversion Efficiency	Up to 96%
Power Factor	0.99 at full load
Harmonics	iTHD < 5% (Complies with IEEE 519 Requirements)
Power Module Cooling	Liquid Cooling Technology
Operational Altitude	<3,000 m (<9,800 ft)
Operating Temperature	-30°C to 50°C (-22°F to 122°F)
Storage Temperature	-40°C to 50°C (-40°F to 122°F)
Operating Humidity	Up to 95% @ 50°C (122°F) non-condensing

Generic Specifications

Station Dimensions	2,230 mm x 712 mm x 420 mm (7'4" x 2'4" x 1'4")
Station Weight (without Modules)	250 kg (551 lb)
Power Module Dimensions	760 mm x 430 mm x 130 mm (2'6" x 1'5" x 5")
Power Module Weight	45 kg (98.5 lb)

ChargePoint, Inc. reserves the right to alter product offerings and specifications at any time without notice, and is not responsible for typographical or graphical errors that may appear in this document

Contact Us

Visit chargepoint.com

Call +1.408.705.1992

Email sales@chargepoint.com



ChargePoint, Inc.
240 East Hacienda Avenue
Campbell, CA 95008-6617 USA

+1.408.841.4500 or
+1.877.370.3802 US and Canada toll-free
chargepoint.com

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