

Express 250

Specifications and Ordering Information

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	CPE250C-500-CCS1-CHD
Express 250 Station (62.5 kW) includes 2x Power Modules, 1x CCS1 cable, 1x CHAdeMO cable	CPE250C-625-CCS1-CHD
Option	
Other cable combinations are available using CCS1, CCS2, CHAdeMO and GB/T connectors.	Please contact ChargePoint Sales

Cloud Plans and Software

Description	Order Code
Commercial Plan for DC (1, 2, 3, 4 or 5 years)	CPCLD-COMMERCIAL-DC- <i>n</i> ^{1,2}
Enterprise Plan for DC (1, 2, 3, 4 or 5 years)	CPCLD-ENTERPRISE-DC- <i>n</i> ¹
CP Express 250 Assure — additional years upon successful site validation	CPE250C-ASSURE ⁿ ¹
CP Express 250 — additional years when purchased after initial site activation	CPE250C-ASSURE ⁿ -AA
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
ChargePoint Station Installation and Validation	CPSUPPORT-SITEVALID

Note: All CPE250 stations come with 1 year of ChargePoint Assure coverage at no charge for qualified installations. Other conditions apply. All CPE250 stations require a cloud plan.

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

² Order Code CTSW-SAS-COMM-DC-*n* has been deprecated: use CPCLD-COMMERCIAL-DC-*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	CPE250C-500-CCS1-CHD
4 years Prepaid Commercial Cloud Plan. Includes Network Connection, On-going Station Software updates, Station Inventory and more	CPCLD-COMMERCIAL-DC-4
CP Express 250 (50 kW) Assure — 3 additional years upon successful site validation	CPE250C-ASSURE3
CP Express 250 (62.5 kW) Assure — 3 additional years when purchased after initial site activation	CPE250C-ASSURE3-AA
Station Activation and Configuration	CPSUPPORT-ACTIVE
ChargePoint Station Installation and Validation	CPSUPPORT-SITEVALID



Express 250 Station

Express 250 Specifications

Station Electrical Input

Input Rating	380–480 V AC, 3-phase, 105–80 A, 50/60 Hz
Wiring	4 conductors (L1, L2, L3, Ground)

Station Electrical Output

Max Output Power	62.5 kW
Output Voltage, Charging	200 V - 1000 V DC
Max Output Current	156 A
Max Modules per Station	2

Power Module

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

Station Functional Interfaces

Max Connector Types per Station	Up to 3 different connector types per station
Supported Connector Types	CHAdeMO, CCS1 (SAE J1772™ Combo), CCS2 (IEC 61851-23), GB/T (20234.3-2011 DtC)
Cord Length	3.8 m (12.5 ft)
Driver Interaction Display	Full-color 10-inch LCD display for driver interaction
Top Display	Full-color 20-inch LED display for notifications
Authentication	RFID: ISO 15693, ISO 14443, NFC Plug and Charge: IEC 15118-1 Remote: Mobile and in vehicle (if supported by vehicle)

Measurement & Connectivity Features

Power Measurement Accuracy	+/- 1% from 10% to full scale
Power Report/Store Interval	10 seconds
Local Area Network	2.4 GHz and 5 GHz WiFi (802.11 b/g/n)
Wide Area Network	3G GSM, 3G CDMA and LTE

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
Power Module Energy Balancing	Balances the number of hours of operation of each module and optimizes power module usage
Remote Energy Management	Supported through the ChargePoint Network API services

Safety and Operational Ratings

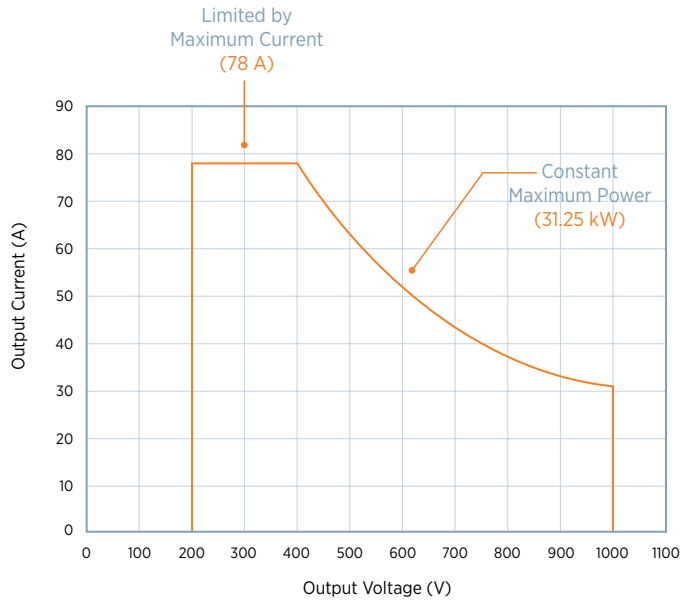
Vehicle Safety Communication	CHAdeMO - JEVS G104 over CAN, CCS1 - SAE J1772 over PLC and CCS2 - IEC 61851-23
Plug-out Detection	Power terminated per JEVS G104 (CHAdeMO), SAE J2931 (CCS1) and IEC 61851-23 (CCS2) specification
Station Enclosure Rating	Type 3R, IP 44
Safety Compliance	For U.S., complies with UL 2202, UL 2231-1, UL 2231-2. For Europe, complies with: IEC 62196, IEC 61851, CE marking
Station Surge Protection	Tested to IEC 6100-4-5, Level 5 (6 kV @ 3000 A). 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 Conversion Efficiency	96%
Power Factor	0.99
Harmonics	iTHD < 7% (complies with IEEE 519 requirements)
Power Module Cooling	Liquid Cooling Technology
Operational Altitude	<3000 m (<9800 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	2230 mm x 712 mm x 420 mm (7 ft 4 in x 2 ft 4 in x 1 ft 4 in)
Station Weight (without Modules)	250 kg (551 lb)
Power Module Dimensions	760 mm x 430 mm x 130 mm (2 ft 6 in x 1 ft 5 in x 5 in)
Power Module Weight	38 kg (84 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.

Power Module Output Characteristic 31.25 kW



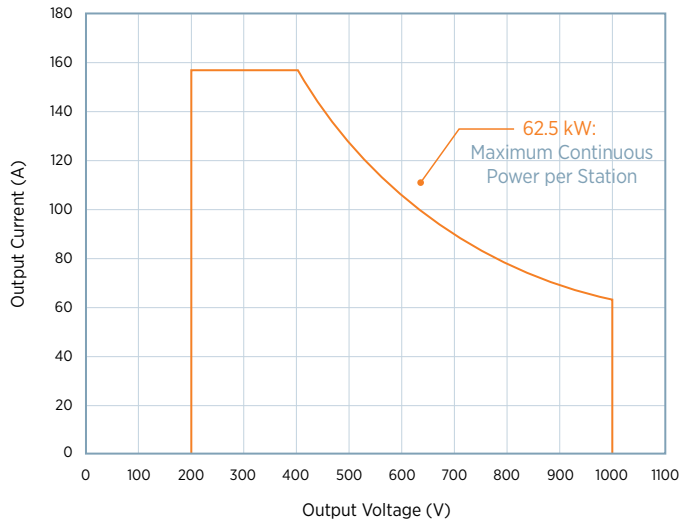
Single Station Configuration



Express 250 Station
with 2 x 31.25 kW Power Modules

62.5 kW

Up to 62.5 kW max continuous power per station



Contact Us

To learn more about ChargePoint Express 250:

- Visit chargepoint.com/cpe250
- Call +1.408.705.1992
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