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

### Cloud Plans and Software

| Description | Order Code |
|---|---|
| ChargePoint Cloud Plan | Please contact ChargePoint sales |
| ChargePoint Assure – additional years upon successful site validation | CPE250C-ASSURE$n$[1] |
| ChargePoint Assure – additional years when purchased after initial site activation | CPE250C-ASSURE$n$[1]-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 |

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 or 4 years) for $n$.

### Order Code Examples

| If ordering this... | ...the order code is |
|---|---|
| Express 250 Station (50 kW) includes 2x Power Modules, 1x CCS2 cable, 1x CHAdeMO cable | CPE250C-500-CCS2-CHD |
| 3 Additional Years of Assure coverage upon successful site validation | CPE250C-ASSURE3 |
| Station Activation and Configuration | CPSUPPORT-ACTIVE |



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) or 5 conductors (L1, L2, L3, N, Ground) |

## Station Electrical Output

| Max Output Power | 62.5 kW |
|---|---|
| Output Voltage, Charging | 200–1,000 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, CCS2 (IEC 61851-23), CCS1 (SAE J1772™ Combo), GB/T (20234.3-2011 DtC) |
| Cable Length | 3.8 m (12.5 ft) |
| Driver Interaction Display | Full-colour 10-inch (25.4 cm) LCD display for driver interaction |
| Top Display | Full-colour 20-inch (50.8 cm) LED display for notifications |
| Authentication | RFID: ISO 15693, ISO 14443, NFC<br>Plug and Charge: IEC 15118-1<br>Remote: Mobile and authentication 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 Wi-Fi (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 optimises power module usage |
| Remote Energy Management | Supported through the ChargePoint Network API services |

## Safety and Operational Ratings

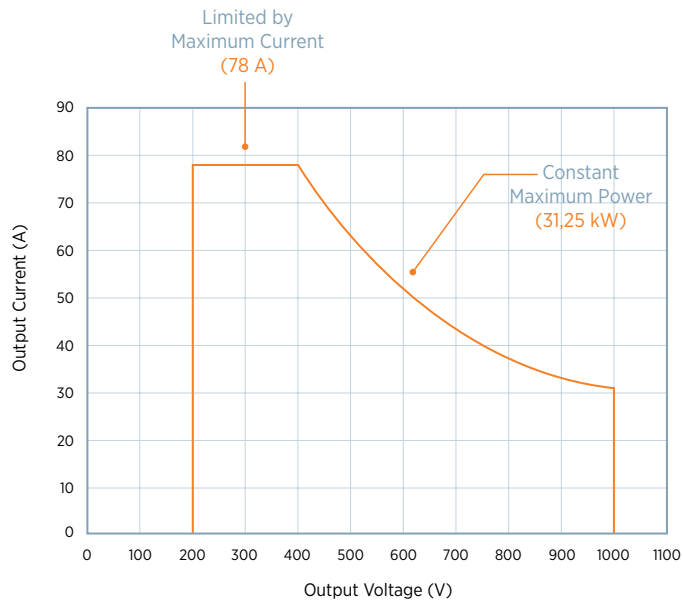| Vehicle Safety Communication | CHAdeMO – JEVS G104 over CAN, CCS2 – IEC 61851-23 and CCS1 – SAE J1772 over PLC |
|---|---|
| Plug-out Detection | Power terminated per JEVS G104 (CHAdeMO), IEC 61851-23 (CCS2) and SAE J2931 (CCS1) specification |
| Station Enclosure Rating | Type 3R, IP 44 |
| Safety Compliance | For Europe, complies with: IEC 62196, IEC 61851<br>For U.S., complies with UL 2202, UL 2231-1, UL 2231-2 |
| Station Surge Protection | Tested to IEC 6100-4-5, Level 5 (6 kV @ 3,000 A). In geographic areas subject to frequent thunderstorms, supplemental surge protection at the service panel is recommended. |
| EMC Compliance | EU: EN55011, EN55022 and IEC61000-4; U.S.: FCC part 15 Class A |
| Power Conversion Efficiency | 96% |
| Power Factor | 0.99 |
| Harmonics | iTHD < 7% (complies with IEEE 519 requirements) |
| Power Module Cooling | Liquid cooling technology |
| Charging Cable Cooling | Liquid cooling technology (depending on configuration) |
| 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 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.

ChargePoint Express 250

## Power Module Output Characteristic
### 31.25 kW



Power Module Output Characteristic graph: Output Current (A) vs Output Voltage (V). Limited by Maximum Current (78 A). Constant Maximum Power (31,25 kW).
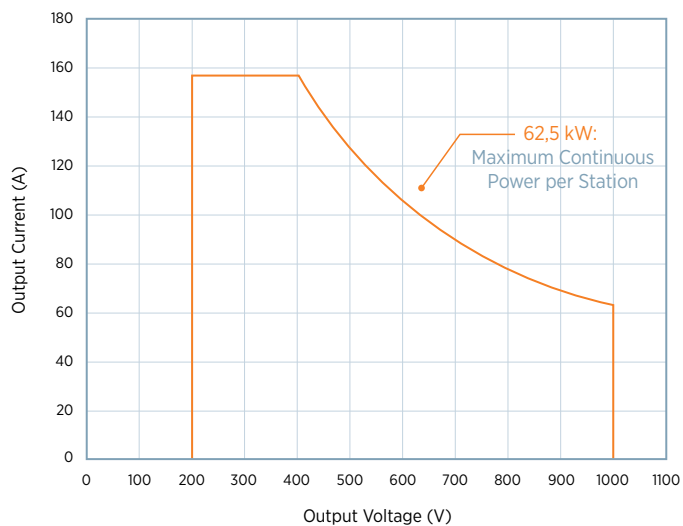
## Single Station Configuration



Express 250 Station
with 2 x 31.25 kW Power Modules

**62.5 kW**
Up to **62.5 kW** max continuous
power per station

Single Station Configuration graph: Output Current (A) vs Output Voltage (V). 62,5 kW: Maximum Continuous Power per Station.

## Contact Us

To learn more about ChargePoint Express 250:

Visit chargepoint.com

Call +31 (0)20-7997365, Monday to Friday, 8:00 – 17:00

Email sales.eu@chargepoint.com