

# Express 100 DC Commercial Charging Stations

## Specifications and Ordering Information

### Ordering Information

Specify model number followed by the applicable code(s).  
The order code sequence is: **Model-Options. Software, Services**  
and **Misc** are ordered as separate line items.

### Hardware

Description	Order Code
Model	Single port, single connector, 24 kW, CCS1 connector
	CPE100I-CMB
	Single port, single connector, 24 kW, CHAdeMO connector
	CPE100I-CHD

### Cloud Plans and Software

Description	Order Code
ChargePoint Commercial Service Plan	CTSW-SAS-COMM-DC- <i>n</i> <sup>1</sup>
ChargePoint Service Provider Plan	CTSW-SAS-SP- <i>n</i> <sup>1</sup>
ChargePoint Assure	CPE100-ASSURE <i>n</i> <sup>2</sup>
Station Activation and Configuration	CPSUPPORT-ACTIVE

Note: All CPE100 stations come with 1 year of ChargePoint Assure coverage at no charge for qualified installations. Other conditions apply. All CPE100 stations require a cloud plan.

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

<sup>2</sup> Substitute *n* for the duration of the additional years of coverage (1 or 2 years).

### Order Code Examples

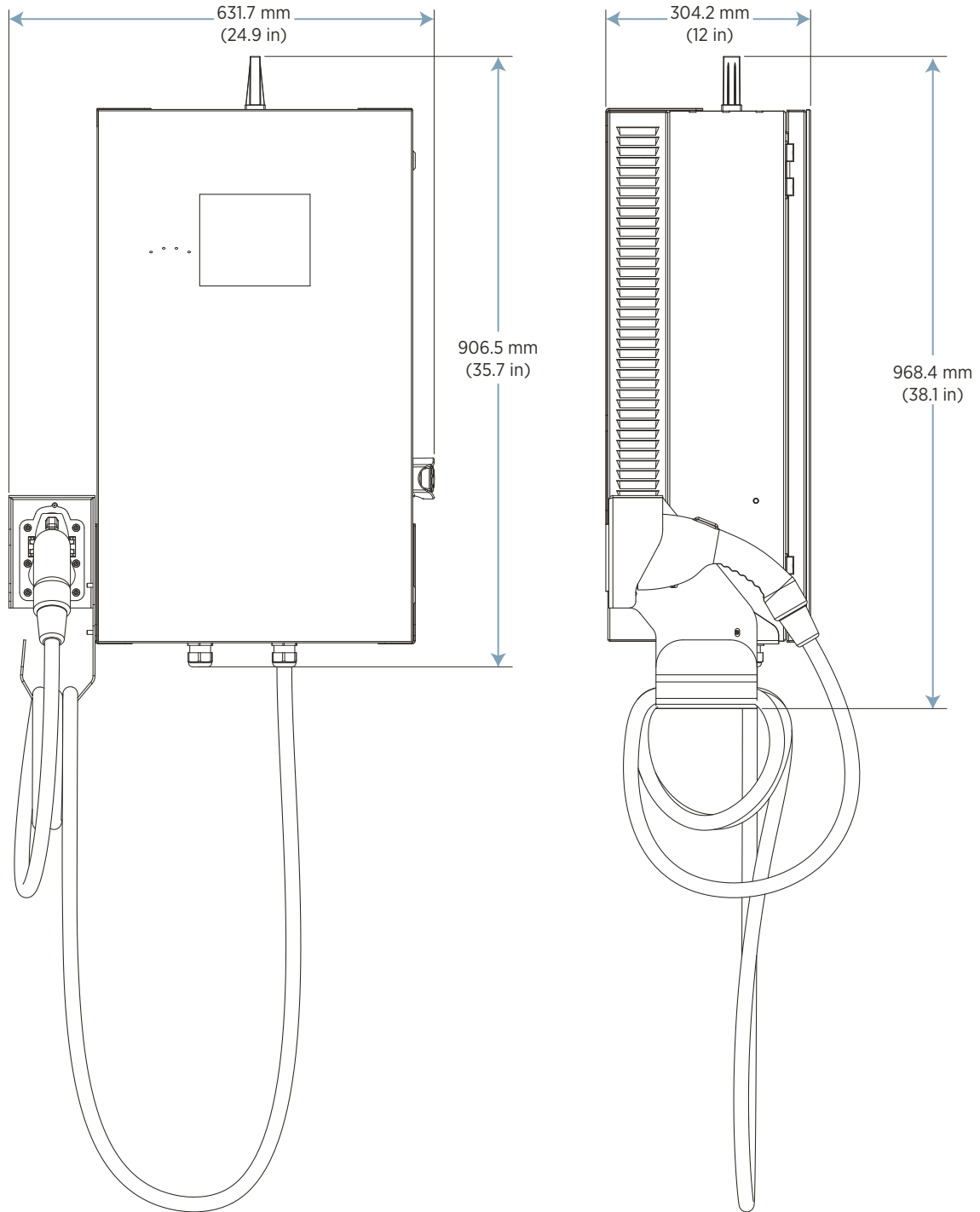
If ordering this	the order code is
Single port, single connector, 24 kW, CCS1 connector	CPE100I-CMB
Single port, single connector, 24 kW, CHAdeMO connector	CPE100I-CHD
ChargePoint Commercial Service Cloud Plan, 3 Year Subscription	CTSW-SAS-COMM-DC-3
2 additional years of ChargePoint Assure	CPE100-ASSURE2



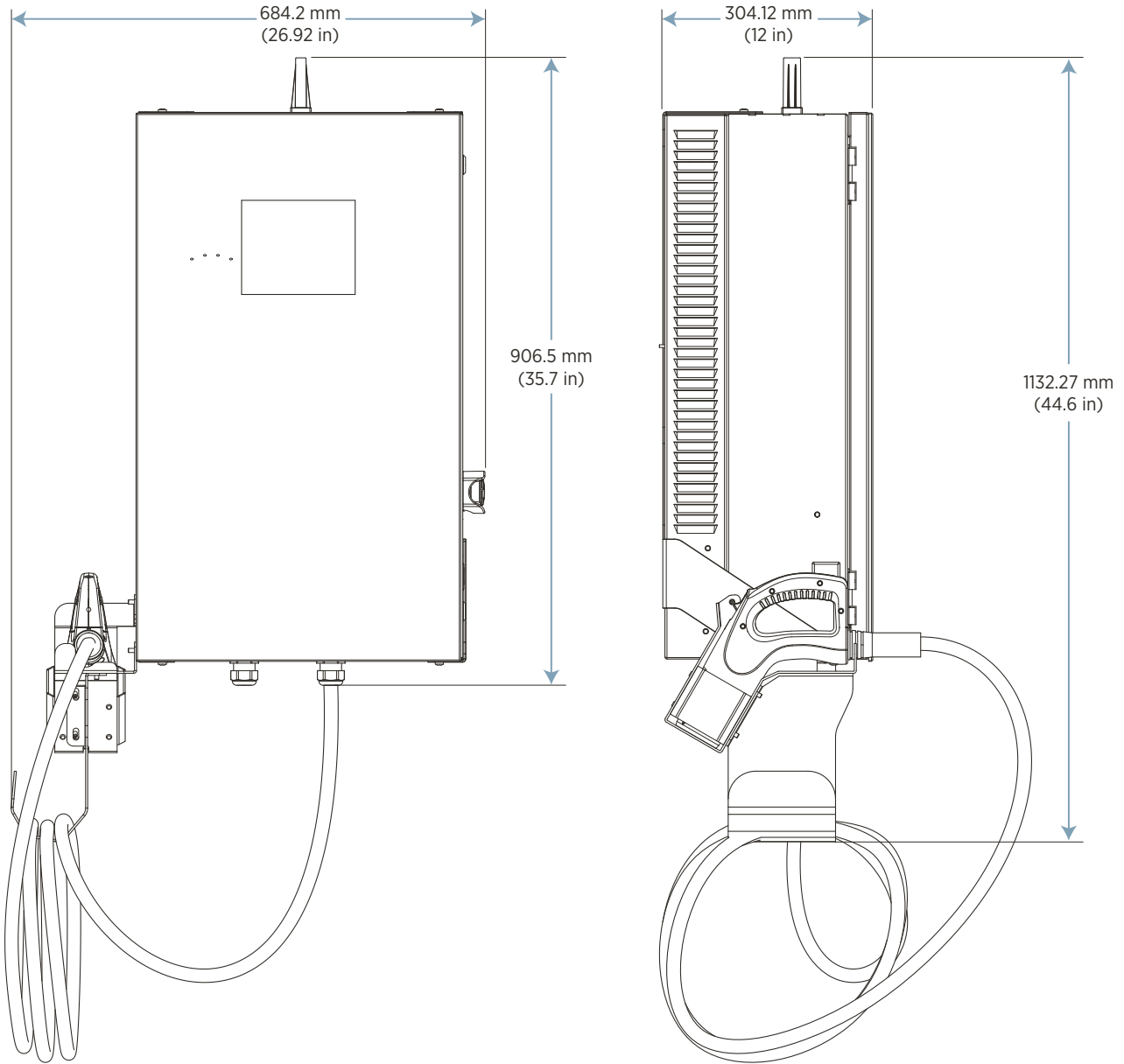
Express 100  
with CCS1 Connector  
(shown with wall mount)

Express 100  
with CHAdeMO Connector  
(shown with wall mount)

## Express 100 Charging Station with CCS1 Connector



## Express 100 Charging Station with CHAdeMO Connector



## Express 100 Specifications for Station with CCS1 Connector

### Electrical Input

Input Power	26.6 kW
Input Voltage	480 V AC 3 phase
Input Current	32 A @ 480 V AC
Input Frequency	60 Hz ±5%
Required Service Panel Breaker	3-pole 40 A breaker on dedicated circuit, non-GFCI type
Standard Wiring	4-wire 3 phase (L1, L2, L3, Earth)

### Electrical Output

Nominal Output Power	24 kW (@387-500V)
Output Voltage	300 - 500 V DC
Output Current	62 A max

### Functional Interfaces

Connector Types	CCS1 (SAE J1772 Combo)
Cable Length	6.1 m (20 ft)
LCD Display	2 line LCD display
Card Reader	ISO 15693, ISO 14443, NFC

### Safety and Connectivity Features

Vehicle Safety Communication	CCS1-SAE J1772 Combo over PLC
Plug-Out Detection	Per CCS1 protocol
Power Measurement Accuracy	+/- 2% from 10% to full scale
Power Report/Store Interval	15 minute, aligned to hour
Wide Area Network	3G GSM, 3G CDMA

### Safety and Operational Ratings

Enclosure Rating	Type 3R, IP 54
Safety Compliance	ETL certified, ETL certification complies with UL standards 2202, 2231-1 and 2231-2 and CSA equivalent
Surge Protection	6 kV @ 3000 A. In geographic areas subject to frequent thunder storms, supplemental surge protection at the service panel is recommended.
EMC Compliance	FCC part 15 subpart B and Industry Canada equivalent
Efficiency	>94%
Power Factor	0.93
Cooling	Forced air cooled
Operational Altitude	<1800 m (<6,000 ft), power derating applies at higher altitudes
Operating Temperature	-30° C to +40° C; full power between -20° C and +30° C
Storage Temperature	-40° C to 70° C (-40° F to 158° F)
Operating Humidity	Up to 95% @ +50° C (122° F) non-condensing

### Generic Specifications

Enclosure Dimensions	790 x 490 x 310 mm (31.1 in H x 19.3 in W x 12.2 in D)
Shipping Dimensions	1092 x 635 x 635 mm (43 in H x 25 in W x 25 in D)
Weight	68 kg (150 lb)
Shipping Weight	105 kg (231 lb)

## Express 100 Specifications for Station with CHAdeMO Connector

### Electrical Input

Input Power	26.6 kW
Input Voltage	480 V AC 3 phase
Input Current	32 A @ 480 V AC
Input Frequency	60 Hz ±5%
Required Service Panel Breaker	3-pole 40A breaker on dedicated circuit, non-GFCI type
Standard Wiring	4-wire 3 phase (L1, L2, L3, Earth)

### Electrical Output

Nominal Output Power	24 kW (@387 to 500 V)
Output Voltage	300 - 500 V DC
Output Current	62 A max

### Functional Interfaces

Connector Types	CHAdeMO
Cable Length	6.1 m (20 ft)
LCD Display	2 line LCD display
Card Reader	ISO 15693, ISO 14443, NFC

### Safety and Connectivity Features

Vehicle Safety Communication	Per CHAdeMO protocol
Plug-Out Detection	Per CHAdeMO protocol
Power Measurement Accuracy	+/- 2% from 10% to full scale
Power Report/Store Interval	15 minute, aligned to hour
Wide Area Network	3G GSM, 3G CDMA

### Safety and Operational Ratings

Enclosure Rating	Type 3R, IP 54
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Express 100  
with CCS1 Connector  
(shown with wall mount)



Express 100  
with CHAdeMO Connector  
(shown with wall mount)

## Contact Us

To order your ChargePoint Express 100 charging station:

-  Visit [chargepoint.com/sales](https://chargepoint.com/sales)
-  Call +1.408.705.1992
-  Email [sales@chargepoint.com](mailto:sales@chargepoint.com)



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