

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	CPCLD-SAS-COMM-DC- <i>n</i> ¹
ChargePoint Service Provider Plan	CPCLD-SAS-SP- <i>n</i> ¹
ChargePoint Assure	CPE100-ASSURE <i>n</i> ²
Station Activation and Configuration	CPSUPPORT-ACTIVE

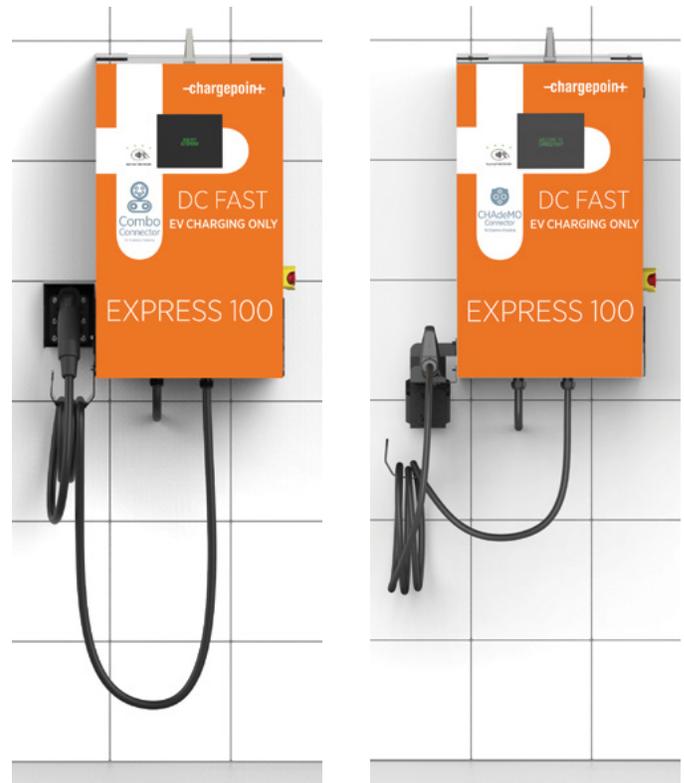
Note: All CPE100 stations require a cloud plan.

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

² Substitute *n* for the duration of years of coverage (1, 2, or 3 years).

Order Code Examples

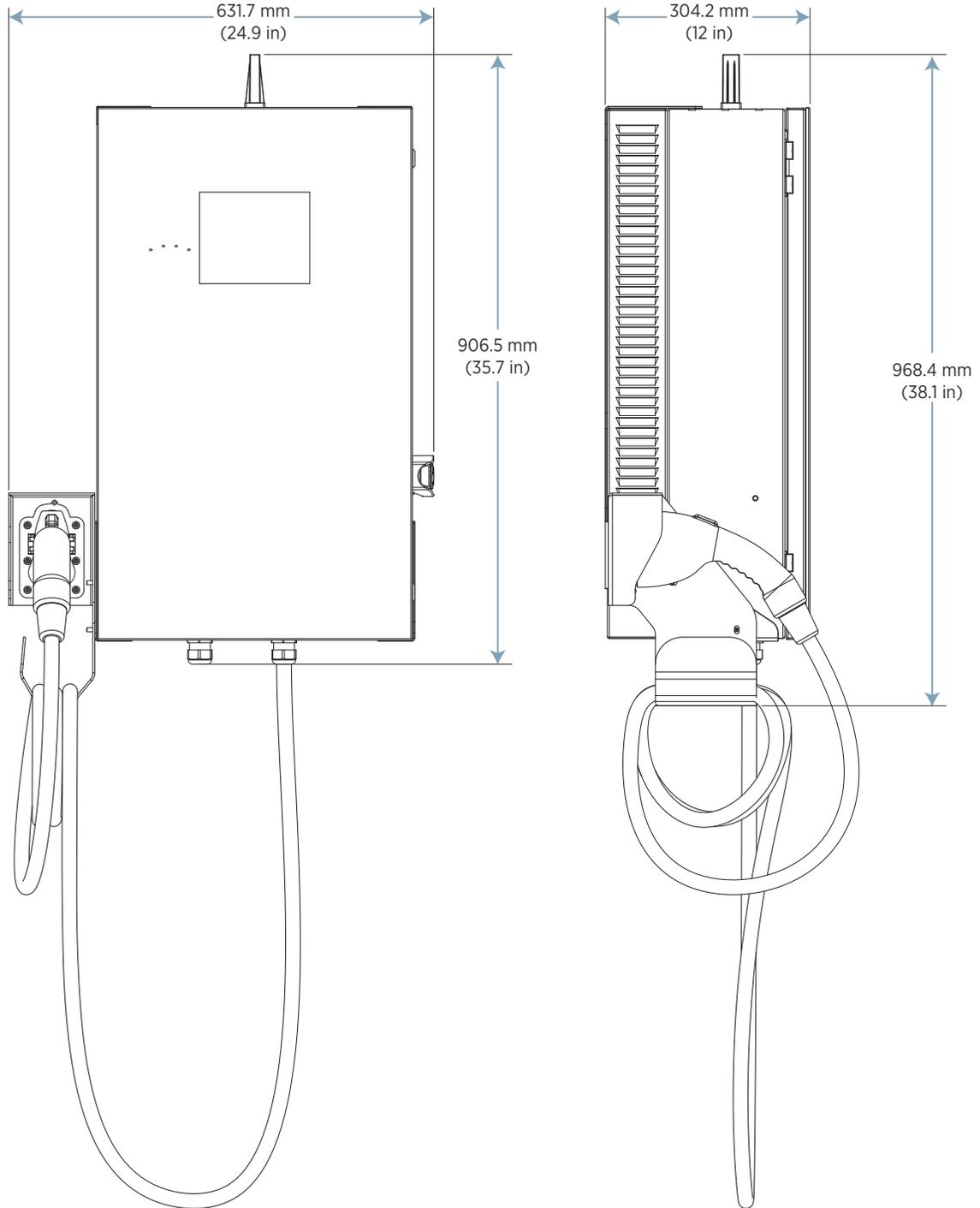
If ordering this	the order code is
Single port, single connector, 24 kW, CCS1 connector	CPE100I-CMB
Single port, single connector, 24 kW, CHAdeMO connector	CPE100I-CHD
ChargePoint Commercial Service Cloud Plan, 3 Year Subscription	CPCLD-SAS-COMM-DC-3
3 years of ChargePoint Assure	CPE100-ASSURE3



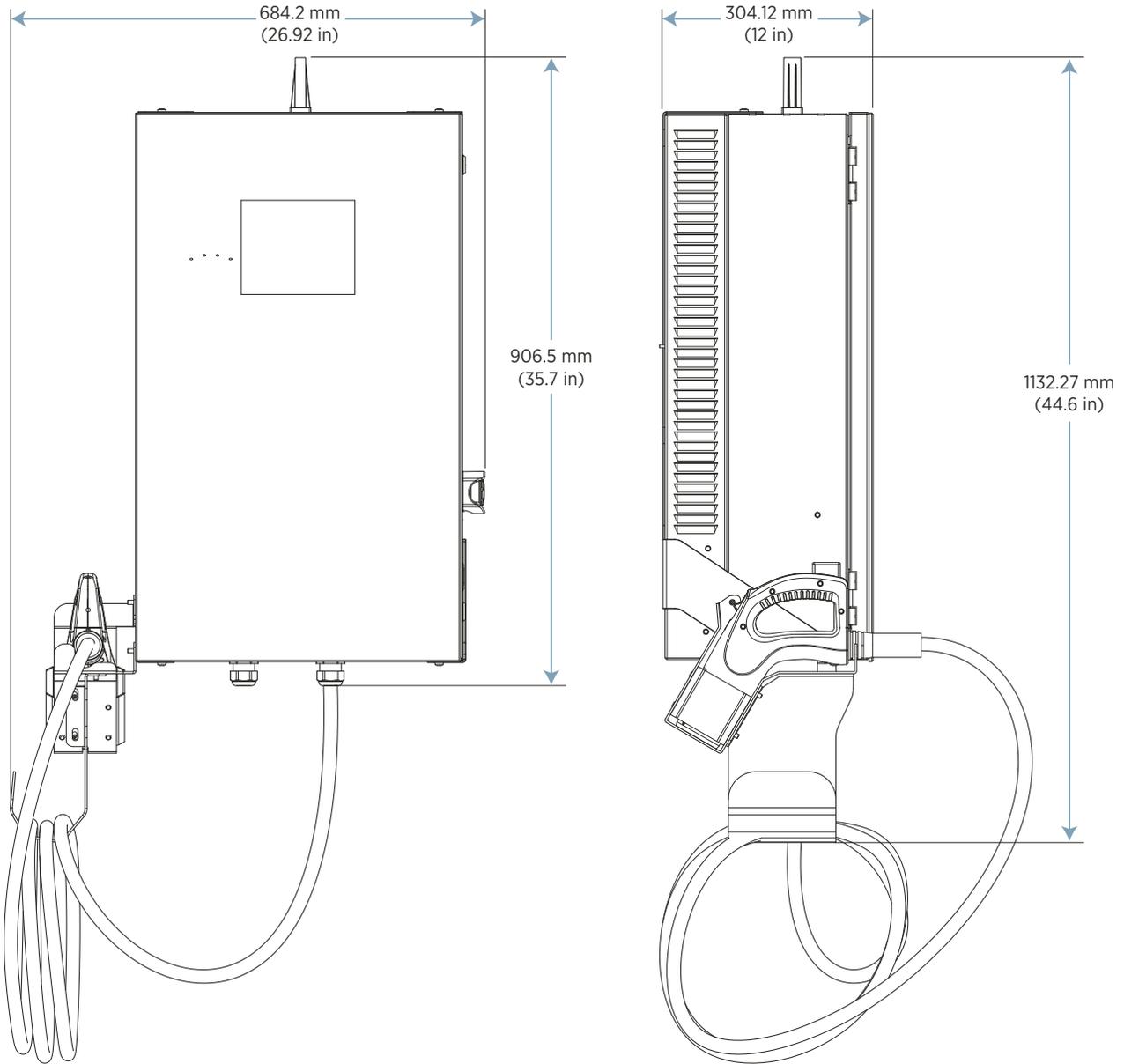
Express 100
with CCS1 Connector
(shown with wall mount)

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	480V AC 3 phase
Input Current	32A @ 480V AC
Input Frequency	60 Hz \pm 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 (@387-500V)
Output Voltage	300-500V DC
Output Current	62A 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
Plug-In Detection	No selection of plug required. Auto detects which plug is connected.
Plug-Out Detection	Power terminated per SAE J2931 (CCS1) specification

Connectivity Features

Vehicle Safety Communication	CCS1 – SAE J1772 over PLC
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 listed: complies with UL standards 2202, 2231-1 and 2231-2 and CSA equivalent
Surge Protection	6 kV @ 3,000A. 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	<1,800 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 mm x 490 mm x 310 mm (31.1" H x 19.3" W x 12.2" D)
Shipping Dimensions	1,092 mm x 635 mm x 635 mm (43" H x 25" W x 25" 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	480V AC 3 phase
Input Current	32A @ 480V 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 500V)
Output Voltage	300-500V DC
Output Current	62A 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
Plug-In Detection	No selection of plug required. Auto detects which plug is connected.
Plug-Out Detection	Power terminated per JEVS G104 (CHAdeMO)

Connectivity Features

Vehicle Safety Communication	CHAdeMO - JEVS G104 over CAN
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

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Express 100
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Contact Us

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