

Express 280

Express 280 Specifications

Station Electrical Input	
Input Rating	North America: 3-phase, 480WYE VAC (91.5 kVA), 100 A, 60 Hz Europe: 3-phase, 400WYE VAC (91.5 kVA), 128 A, 50 Hz
Wiring	L1, L2, L3, Earth
Short Circuit Current Rating	65 kA

Station Electrical Output	
Max Output Power	80 kW
Output Voltage, Charging	100 to 1000 VDC
Max Output Current	CHAdeMO (North America): 140 A CHAdeMO (Europe): 125 A CCS1: 200 A CCS2: 200 A
Max Power Modules per Station	2

Paired Station Electrical Output	
Paired Max Output Power	160 kW
Output Voltage, Charging	100 to 1000 VDC
Paired Max Output Current	CHAdeMO (North America): 140 A CHAdeMO (Europe): 125 A CCS1: 250 A CCS2: 250 A
Power Modules per Pair	4

Power Module Output	
Max Output Power	40 kW
Max Output Current	100 A
Power Conversion Efficiency	Up to 96%
Power Factor	0.99 at full load

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 Specifications	
Power Module Dimensions	760 mm H x 430 mm W x 130 mm D (2'6" x 1'5" x 5")
Power Module Weight	45 kg (98.5 lb)
Power Module Cooling	Liquid Cooling Technology
Harmonics	iTHD < 5% (Complies with IEEE 519)

Functional Interfaces	
Number of Connectors	Up to two connectors per station
Supported Connector Types	CHAdeMO CCS1 (SAE J1772™ Combo) CCS2 (IEC 61851-23)
Cable Length	Standard 5.5 m (18 ft) with Cable Management Kit (CMK)* Medium 7.5 m (24 ft) with CMK
LCD Display	Full-color 254 mm (10 in) display for driver interaction
Authentication	RFID: ISO 15693, ISO 14443, NEMA EVSE 1.2-2015 (UR) Tap to Charge (NFC on Apple & Android, contactless credit card) ISO 15118-2, Plug&Charge Remote: Mobile and in vehicle (if supported by vehicle)

* Horizontal reach to typical vehicle charging port: 3.76 m (12 ft 4 in)

Connectivity Features	
Vehicle Safety Communication	CHAdeMO: JEVS G104 over CAN CCS1: SAE J1772 over PLC CCS2: IEC 61851-23
Plug-Out Detection	Power terminated per JEVS G104 (CHAdeMO), SAE J2931 (CCS1), and IEC 61851-23 (CCS2)
Local Area Network	2.4 GHz and 5 GHz WiFi (802.11 b/g/n)
Wide Area Network	4G LTE
Supported Communication Protocols	OCPP
Service and Maintenance	Remote system monitoring, diagnostic, and proactive maintenance

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.

Safety and Operational Ratings	
Station Enclosure Rating	Type 3R, IP54
Station Impact Rating	IK10
Safety and Compliance	UL and cUL listed: Complies with UL 2202, UL 2231-1, UL 2231-2, CSA 107.1 CE marking: Complies with IEC 61851
Station Surge Protection	Tested to IEC 6100-4-5, Level 5 (6 kV @ 3,000 A)
EMC Compliance	North America: FCC part 15 Class B Europe: EN55011, EN55022, and IEC61000-4
Storage Temperature	-40°C to 50°C (-40°F to 122°F)
Operating Temperature	-40°C to 50°C (-40°F to 122°F)
Operational Altitude	< 3,000 m (9,800 ft)
Operating Humidity	Up to 95% at 50°C (122°F) non-condensing

Generic Specifications	
Station Enclosure Dimensions	2,413 mm H x 712 mm W x 438 mm D (7'11" x 2'4" x 1'4")
Station Weight (without Power Modules)	250 kg (551 lb)
Buy America	Buy America (FTA & FHWA) options available upon request

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



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

Contact Us
Visit [chargepoint.com](https://www.chargepoint.com)
Email sales@chargepoint.com

©2013-2022 ChargePoint, Inc. All rights reserved. This material is protected by the copyright laws of the United States and other countries. It may not be modified, reproduced, or distributed without the prior, express written consent of ChargePoint, Inc. CHARGEPOINT is a US, UK, and EU registered trademark and service mark of ChargePoint, Inc. and cannot be used without the prior written consent of ChargePoint.

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.