

ChargePoint Express Solo

One platform, infinite possibilities

August 2026



Express Solo Specifications

Electrical

Input Voltage Rating	3-phase, 400 VAC $\pm$ 10 %		
Max Output DC Power at 400 VAC Input	350 kW	500 kW	525 kW
Input AC Current Rating	542 A	789 A	809 A
Input Frequency	50 Hz $\pm$ 5 Hz		
Wiring	L1, L2, L3, Earth		
Grid Systems	TN-S, TN-C, TN-C-S, TT		
Short Circuit Current Rating	100 kA		
Output Voltage, Charging	100 to 1000 VDC		
CCS2 Output Current*	Option 1: 800 A continuous, 1000 A peak with liquid cooled cable Option 2: 400 A continuous, 600 A peak with dry cable		
Liquid Cable Cooling Type	Water propylene glycol mixture		
Power Conversion Efficiency	Up to 97.5%		
Power Factor	0.99 at full load		
Harmonics	iTHD < 3% (Complies with IEEE 519)		
Standby Power	60W		
Bidirectional Energy Flow	Hardware ready		
Power Allocation Increments	50 ~ 62.5 kW, depending on configuration		
Auxiliary Power Output Voltage When Pairing with Power Link	48 VDC		

*Megawatt charging system (MCS) available upon request

Functional Interfaces

LCD Display	Full color 381 mm (15 in) interactive display with full motion video, UV protection and multi-language support
Indicators	Multicolor status LEDs
Branding	Brandable front panel
Authentication	RFID: ISO 15693, ISO 14443 Virtual RFID NFC (Tap to Charge) Contactless credit card Virtual contactless credit card Apple Pay & Google Pay EMV chip credit card (available on -CHIP models only) ISO 15118-2, Plug & Charge, ISO 15118-20, Autocharge Remote: Mobile App and in vehicle dash (if supported by vehicle)

Connectivity

Local Area Network	2.4 GHz and 5 GHz WiFi (802.11 a/b/g/n/ac) Wired Ethernet up to 1 Gbps
Wide Area Network	4G LTE
Supported Communication Protocols	OCPP 1.6 or 2.0.1
Service and Maintenance	Remote system monitoring, diagnostic, and proactive maintenance
Software Updates	Firmware updated over-the-air (OTA)

Safety Ratings & Protocol

Vehicle Communication	ISO 15118-2, ISO 15118-3, DIN 70121, IEC61851-23
Plug-Out Detection	IEC 61851-23 (CCS2)
Safety and Compliance	Certification in progress CE and UKCA marked. Complies with IEC 61851-1 and IEC 61851-23 Eichrecht / LNE
Station Surge Protection	Tested to IEC 6100-4-5, Level 5 (6 kV @ 3,000 A)
Overvoltage Category	IV
Integrated Coordinated Lightning Protection (SPD)	Type 1 + 2
RoHS	EN IEC 63000
EMC Compliance	IEC 61851-21-2 Class A
EMF Compliance	IEC 62311
Radio Equipment Directive (RED)	ETSI EN 300 328, ETSI EN 301 893, ETSI EN 300 440, ETSI EN 300 330, ETSI EN 300 511, ETSI EN 301 908
Protections	Short circuit, overload protection, surge protection, protective earth, insulation failure
Other Monitoring	Overcurrent, overvoltage, undervoltage, emergency stop, door interlock, thermal protection

Generic Specifications

Number of Connectors	Up to 2 connectors per station Up to 4 connectors with additional Power Link station
Supported Connector Types	CCS2 (IEC 61851-23)
Cable Length	Liquid cooled cable: 5.2 m (17 ft) Air cooled (dry) cable: 5.2 m (17 ft), 7.6 m (25 ft)*
Cable Management Options	5.2m cable: Swing arm 7.6m cable: Overhead cable management kit
Station Enclosure Dimensions	778 mm x 995 mm x 2350 mm (30.7 in x 39.2 in x 92.5 in)
Installation Type	Indoor and outdoor
Station Enclosure Rating	Type 3R, IP55
Station Impact Rating	IK10
Mounting Type	Floor mounted
Enclosure Material	Aluminum
Maximum Noise level	63 dBA @ 1m
Station Weight	Up to 1300 kg (2840 lb) with all modules installed
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Operating Temperature	-40°C to 55°C (-40°F to 131°F) with derating above

	50°C
Operational Altitude	3,000 m (9,800 ft). 4000 m (13,123 ft) with derating
Operating Humidity	Up to 95% at 50°C (122°F) non-condensing
Standard Warranty	Limited 2-year parts warranty

*other lengths available upon request

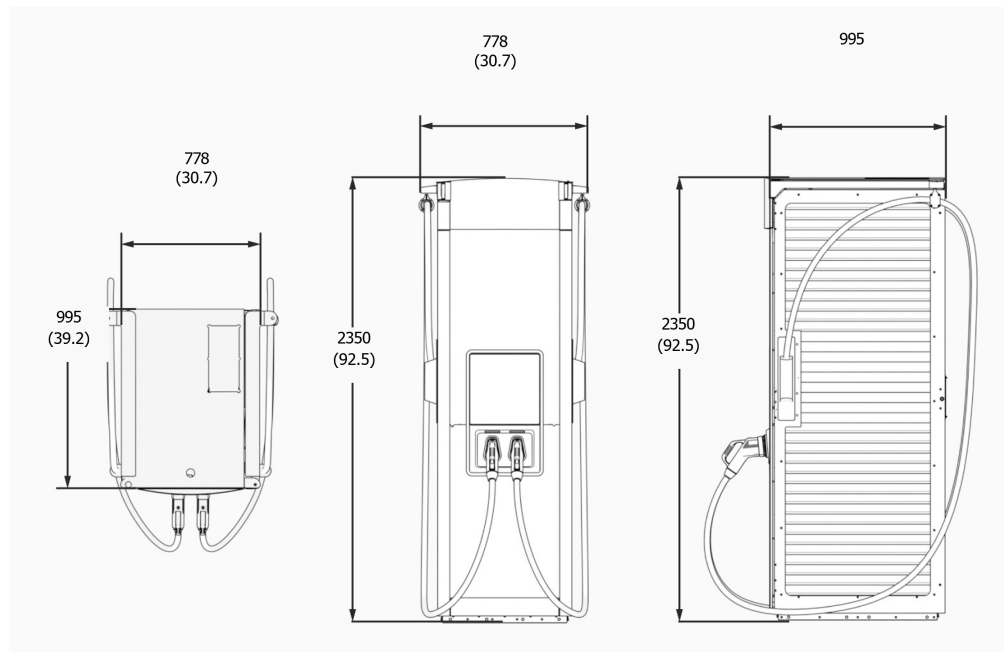
Energy Management Features

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

Architectural Drawings



NOTE: Images are not to scale. Measurements appear in metric units (mm), followed by imperial equivalents (inches). W x D x H: 778 mm x 995 mm x 2350 mm, 30.7 in x 39.2 in x 92.5 in



Contact Us

ChargePoint, Inc.
254 East Hacienda Avenue Campbell, CA 95008-
6617 USA +1.408.841.4500 or +1.877.370.3802 US
and Canada toll-free

Visit chargepoint.com Call +1.408.705.1992
Email sales@chargepoint.com

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