

**MASTER AGREEMENT**

ADVANTAGE CONTRACT #: 18P 25070100000000000008	
COMMODITY/SERVICE DESCRIPTION: EV Charging Stations, Networked	
START DATE: 8/1/2025	END DATE: 7/20/2026

This Contract is between the following State of Maine Department and Provider:

STATE OF MAINE DEPARTMENT		
DEPARTMENT NAME: Office of State Procurement Services		
ADDRESS: 111 Sewall St., 4 <sup>th</sup> Floor Burton Cross Office Building, SHS# 9		
CITY: Augusta	STATE: ME	ZIP CODE: 04333-009
PROVIDER		
PROVIDER NAME: Cd, LLC dba Carbon Day Automotive		
ADDRESS: 163 S Wheeling Road		
CITY: Wheeling	STATE: IL	ZIP CODE: 60090
PROVIDER'S VENDOR CUSTOMER #: VS0000023877		

Each signatory below represents that the person has the requisite authority to enter into this Contract.

Department Representative:

Provider Representative:

Signed by:

*William J.E. Allen*

2D5B6E39F57E44A...

William Allen, Senior Procurement Manager

Date 7/24/2025

Signed by:

*Rob Spatz*

0F33C2CC3C6B435...

Rob Spatz, National Sales Manager

Date 7/24/2025

*The contract is fully executed when all parties sign and funds have been encumbered. Upon final approval by the Office of State Procurement Services, a case details page will be made part of this contract.*

**DEPARTMENT AND PROVIDER POINT OF CONTACT and PROCUREMENT METHOD**

PROCUREMENT SERVICES MA MANGER: The Procurement Services MA Manager manages the MA contract documents. All other communication is to be with the agency the services were provided to.

NAME: Tom Paquette	
EMAIL: <a href="mailto:thomas.paquette@maine.gov">thomas.paquette@maine.gov</a>	TELEPHONE: 207-624-7890

VENDOR CONTACT: The vendor contact person will help consumers place orders, inquire about orders that have not been delivered, all shipping issues, quality issues and any issues pertaining to the Master Agreement (MA) contract. All orders not submitted through a Delivery Order will be sent through the vendor contact person. The vendor contact person for this MA is:

NAME: Rob Spatz	
EMAIL: <a href="mailto:rob.spatz@carbodayevcharging.com">rob.spatz@carbodayevcharging.com</a>	TELEPHONE: 518-645-6733

Any changes to the individuals identified above may be changed at any time through written notice by either party.

**Master Agreement (MA) procurement method:** Sourcewell Contract Number: 042221-CPI

**TABLE OF RIDERS**

The following riders are hereby incorporated into this Contract and made part of it by reference.

<input checked="" type="checkbox"/>	RIDER A – Specifications and User Information
<input checked="" type="checkbox"/>	RIDER B – Terms and Conditions
<input type="checkbox"/>	RIDER C – Exceptions
<input checked="" type="checkbox"/>	RIDER D – Responsible Bidder Certification
<input checked="" type="checkbox"/>	RIDER E – Make Ready Requirements
<input checked="" type="checkbox"/>	RIDER F – ChargePoint CT4000, CP6000, CPE250, CPF 50 Site Guides
<input checked="" type="checkbox"/>	RIDER G – ChargePoint Equipment Specifications
<input checked="" type="checkbox"/>	RIDER H – Identification of Country Which Contracted Work will be Performed
<input checked="" type="checkbox"/>	RIDER I – ChargePoint Network and Information Security
<input checked="" type="checkbox"/>	RIDER J – Municipality / Political Subdivision Participation
<input checked="" type="checkbox"/>	RIDER K – Contract Pricing 2025

**RIDER A: SPECIFICATIONS AND USER INFORMATION****TABLE OF CONTENTS**

- I. CONTRACT PERIOD
- II. COMMODITY
- III. AMENDMENTS TO SPECIFICATIONS
- IV. SPECIFICATIONS
- V. AMENDMENT/EXTENSION PRICING/RATE CHANGES
- VI. CONTRACTED PRICING/RATES
- VII. AUTHORIZED USERS
- VIII. ORDERING PROCEDURE/DELIVERY INFORMATION

**I. CONTRACT PERIOD:**

Start August 1, 2025, through July 20, 2026

Following the initial terms of the contract, the Department, at their discretion, may opt to extend / renew the contract for up to one (1) one (1) year extension periods.

- ☒ Initial Term August 1, 2025, through July 20, 2026
- ☐ First Renewal
- ☐ Second Renewal

**II. COMMODITY: EV Charging Stations, Final Installation and Maintenance**

The State reserves the right to add other similar items or commodities to the Master Agreement (MA) if it's in the State's best interest but does not obligate the State to purchase similar noncontracted items or commodities from the selected bidder.

**III. AMENDMENTS TO SPECIFICATIONS**

None

**IV. SPECIFICATIONS**

Carbon Day Automotive "Provider" will supply **Level 2 Networked Electric Vehicle Charging**

**Stations** include networking, operation, maintenance and warranty. The provider will be the single point managerial- level contact for the State of Maine to coordinate all requirements. The provider is the point of contact for any problems/questions that may arise during the contract period. The provider is available for research information and delivers special reports as needed or directed by the State of Maine related to the equipment, products, and services associated with electric vehicle charging stations.



**Provider's Single Point Contact Person:**

Name: Rob Spatz  
Title: National Sales Manager  
Address: 163 S. Wheeling Road  
Wheeling, IL 60090  
Email: [rob.spatz@carbodayevcharging.com](mailto:rob.spatz@carbodayevcharging.com)  
Phone: 847-645-6733

Carbon Day Automotive, through ChargePoint, shall provide installation and station activation to a made ready site. They will be responsible for all operations and maintenance with ChargePoint support and ChargePoint Assure program.

Sub-contractor: ChargePoint, Inc., 240 East Hacienda Avenue, Campbell, CA 95008, Phone: 1- 408-841- 4500. Carbon Day Automotive reserves the right to select additional ChargePoint certified installers as needed.

Licensure/Certification: All ChargePoint installers are certified through the ChargePoint Installation Training Program consisting of a series of online courses that take an installer from site assessment all the way through power-up and pinpointing. All installers receive a certificate of completion upon successful completion of the training.

**Dual Port Charging Equipment****ChargePoint CT4000 Level 2 Commercial Charging Stations**

All CT4000 models offer one or two standard SAE J1772™ Level 2 charging ports with locking holsters, each port supplying up to 7.2kW. With this standard connector, ChargePoint level 2 stations can charge any EV. Stations are available in bollard and wall mount configurations for easy installation anywhere. All stations are fully software upgradeable remotely over the air. Stations come in both 6' and 8' tall models with 18' and 23' cords, respectively.

**ChargePoint CP6000 Level 2 AC Charging Stations for Businesses**

All CP6000 models offer one or two standard SAE J1772™ Level 2 charging ports with locking holsters, each port supplying up to 19.2kW. With this standard connector, ChargePoint level 2 stations can charge any EV. Stations are available in pedestal and wall mount configurations for easy installation anywhere. All stations are fully software upgradeable remotely over the air.

- Power – 3.7-19.2 kW per port
- Connectivity – 4GLTE with GSM as backup
- Authentication and payment – RFID, tap to charge (NFC), remote via mobile app or in vehicle, contactless credit card, EMV chip credit card option (for -Chip models only),
- Interface – 8" interface display with full color, UV protection, gesture touch controls and multi-language support.
- Connector – SAE J1772 cable

- Network communication protocol – OCPP 2.0.1
- ISO 15118 standard – supported
- Port Type – Integrated cable
- Number of ports – Dual, single
- Mounting options – Pedestal, wall
- Cable length – 18', 23'

### **ChargePoint Express 250 Smart DC Fast Charging**

Express 250 is based on industry-leading DC fast charging technology. 2 self-contained swappable AC to DC Power Modules. Built-in cellular makes remote management easy. Cloud services let station owners customize specific requirements, including setting pricing policies for public charging or employees only. Automatic software upgrades.

#### Site Validation

On-Site Validation of cellular coverage, electrical capacity, transformers, panels, breakers, wiring and station installation will be done by ChargePoint. Cost is included in the annual service fees.

#### Order/Delivery/Setup of Equipment

1. Agencies will issue delivery orders (DO) against this master agreement for the purchase of chargers.
2. The provider will place the order with ChargePoint for equipment the same day the DO is received.
3. ChargePoint will process the order and ship within 5 business days. The station(s) will be shipped to address provided by agency and included on the DO.
4. The ordering agency and Carbon Day Automotive will receive copies of the Shipping Orders when the stations are shipped.
5. The provider will then verify, with the agency using it, when the ready site (See Appendix D for Made Ready Requirements) will be completed, to ensure the ChargePoint certified installer is scheduled to complete installation. The provider will coordinate installation with the ChargePoint certified installer and notify the agency.
6. The ChargePoint certified installer will install each station to the made ready site within 5 to 7 business days after receipt of equipment. At that time, they will also complete station activation.
7. The provider will then notify ChargePoint to complete station activation and set up any pricing policy that the ordering agency requires. This should be completed within one (1) business day.

#### Operation and Maintenance (6-Years)

The provider, with ChargePoint support and ChargePoint Assure program, will be responsible for all operations and maintenance including:

1. Operate and maintain all Level 2 charging stations for the Period of Performance August 1, 2025, to July 20, 2026.

2. The Assure program ensures that all parts and labor are performed, on site, if necessary, to correct any defect in the material or workmanship.
3. Perform triage with respect to any station that may be defective.
4. The public charging stations will be listed on the ChargePoint web site with availability and cost of station usage. It will also be listed on the PlugShare.com website.
5. Station management will be notified online when there is an interruption of service. In addition, drivers will know on their mobile app by color coding if the station is- (1) available (green), (2) in use (blue) or (3) interruption of service (black) prior to plugging in their vehicle.
6. The Wi-Fi cloud plan notifies customer support immediately of any station problems. If onsite repairs are needed, they will be completed within two business days from the delivery of any parts.
7. Only labor coverage is included for accidental damage, wear and tear, vandalism (excluding graffiti) and snowplow damages.

### Networked Services 6-Years

All ChargePoint stations are cellularly connected using Sprint, AT&T and Verizon to allow the station owner to control station usage, limit hours and do multi-tier driver pricing. Daily, weekly, monthly and custom usage reports include energy, GHG savings, stations, ports, sessions, number of API calls, revenue, peak daily occupancy, session length histogram, unique drivers, wait time and session detail table to name some of the available reports.

1. Network fees are to be paid on an annual basis.
2. Includes a customer billing system and remittance system agreeable to the State of Maine. The State of Maine must set up a ChargePoint Organization for use with ChargePoint stations and their billing system and remittance program.
3. Includes access by station Administrators to review, monitor charger usage and prepare reporting. The ChargePoint Sessions Detail Table allows unlimited station administrators to review station usage.
4. ChargePoint reporting features include detailed usage tracking, station configurations, and total KWH and other appropriate usage data.
5. ChargePoint has an embedded flexible payment system.
6. ChargePoint software service plan allows over the air software updates to support all EV models and station networking upgrades.
7. Station details visibility on apps and browser maps including AFDC. ChargePoint stations are listed on all electric vehicle charger maps. In addition, the ChargePoint app lets drivers know of station availability, cost to use the station and other stations in the area including competitive stations.
8. Waitlist feature and push-notifications station alerts notify drivers when their reserved station is available. Station owners control the length of time that Waitlist is set for.

9. ChargePoint has 24/7 365 driver support to assist with station activation and collection via credit card.
10. Station support is available from 8:00 AM to 7:00 PM EST Monday through Friday.

#### Charging Fees Payment Options

ChargePoint has an approved joint venture with WEX Card. ChargePoint supports WEX, allowing fleet vehicle drivers to pay for electric fueling using a payment card associated with the ChargePoint account. ChargePoint offers flexible billing and remittance options for station owners, in which different groups of stations can have their collected station fees deposited into different accounts.

ChargePoint offers a variety of payment options. For fleet they currently can connect with WEX and Voyager. For the general public they can use ChargePoint card or contactless credit cards. In addition, the driver can call the 24/7 365 ChargePoint driver support to activate the station with their credit card. Tap-to Pay using NFC capabilities of smartphones (Google Pay, Apple Pay and Pay Pal) are supported by ChargePoint stations.

#### Electricity Reimbursement Process

1. Stations are purchased by an agency who pays for electricity.
2. Agency pays for electricity used at charging station(s).
3. Agency will set up an account with ChargePoint under the State of Maine umbrella to manage their stations and fees.
4. Agency will set rates to charge customers for the use of their chargers.
5. Charging station users will pay for charges using options listed in Charging Fees Payment Options.
6. ChargePoint will collect the fees and keep 10% of the charges as a processing fee.
7. The remaining money can be deposited into a bank account or can be paid in the form of a check to the agency.

#### Data Reporting

ChargePoint stations offer reporting which can be run as a daily, weekly, monthly, yearly and custom time frame report. Included in the reports are:

1. Session Details Table – this offer charging data including date and time (start and stop) and accurate utilization rate
2. The Energy report shows total kWh and total kWh draw
3. The Revenue report will show total dollars collected from drivers as a total amount or an individual station report.
4. Drivers will know on their mobile app by color coding if the station is available (green), in use (blue) or interruption of service (black) prior to plugging in their vehicle.
5. A report called Number of AP calls will have equipment down time

as well as notifications forwarded to the station administrator.

## **V. TECHNICAL REQUIREMENTS:**

- A. ACCESSIBILITY: All IT products must be accessible to persons with disabilities and must comply with State Accessibility Policy and Standards and the Americans with Disabilities Act. All IT applications must comply with the Digital Accessibility Policy (<https://www.maine.gov/oit/sites/maine.gov.oit/files/inline-files/DigitalAccessibilityPolicy.pdf>).
  - a. In addition, all IT applications and content delivered through web browsers must comply with the State Web Standards (<https://www.maine.gov/oit/sites/maine.gov.oit/files/inline-files/WebStandards.pdf>)
- B. STATE IT POLICIES: All IT products and services delivered as part of this Agreement must conform to the State IT Policies, Standards, and Procedures (<https://www.maine.gov/oit/policies-standards>) effective at the time this Agreement is executed.

**VI. AMENDMENT/EXTENSION PRICING/RATE CHANGES**

None

**VII. CONTRACTED PRICING/RATES**

**Prices:** Prices are with shipping terms of “Free on Board (FOB) – Destination”. The State intends for this to mean that all goods shall be priced to include shipping charges, if any, to the State’s desired location. The “FOB – Destination” shipping term is also intended to mean that the State shall not bear any responsibility for the goods in question until the State takes possession of them at the destination point of delivery.

**Price and Rate Guarantee Period:** All quoted prices and rates must be guaranteed for and must remain firm for minimally one year of the initial contract period. Any approved price or rate adjustments must be held firm for minimally one year or the remainder of the contract period. Price adjustment requests must be made by the vendor at least sixty (60) days prior to the effective date. Requests for price adjustments must include sufficient documentation from the manufacture supporting the request. The price adjustment will not go into effect until the contract amendment has been fully approved by the State of Maine. (See attached Rider K- Contract Pricing 2025)

**VIII. AUTHORIZED USERS:**

**State of Maine Departments authorized to utilize this MA contract:**

All State of Maine Departments, Agencies

**Municipalities, political subdivisions, and school districts in Maine:**

☒ Are permitted to utilize this MA as written.

**IX. ORDERING PROCEDURES/DELIVERY INFORMATION:**

Delivery Orders (DO) will be created in AdvantageME for all orders over \$5000.00. DO’s will be emailed as a .pdf file to the vendor’s email address submitted in AdvantageME by the vendor.

Municipalities, political subdivisions, and school districts in Maine will handle their own orders and will be responsible for all payments.

**Quantities:** It is understood and agreed that the MA will cover the actual quantities required by the State over the length of the contract.

**Delivery Locations:** The vendor must deliver to any State of Maine facility. The exact addresses will be provided to the vendor at the time the order is placed.

**Delivery and Inspection:** The vendor is responsible for the delivery of material in first class conditions at the point of delivery, and in accordance with good commercial practice. The sign blanks ordered from the resulting MA will be inspected after delivery. If shipments are deemed unacceptable the delivery will be refused and will be returned at the risk and expense of the selling vendor.

**RIDER B: TERMS and CONDITIONS****1. DEFINITIONS.** The following definitions are applicable to these standard terms and conditions:

- a. The term "Buyer" or "State" shall refer to the Government of the State of Maine or a person representing the Government of the State of Maine.
- b. The term "Department" or "DAFS" shall refer to the State of Maine Department of Administrative and Financial Services.
- c. The term "Bureau" or "BGS" shall refer to the State of Maine Bureau of General Services.
- d. The term "OSPS" shall refer to the State of Maine Office of State Procurement Services.
- e. The term "Provider" shall refer to the organization that is providing goods and/or services through the contract to which these standard terms and conditions have been attached and incorporated.
- f. The term "Contract" shall refer to the contract document to which these standard terms and conditions apply, taking the format of a Buyer Purchase Order (BPO) or Master Agreement (MA) or other contractual document that is mutually agreed upon between the State and the Provider.

**2. WARRANTY.** The Provider warrants the following:

- a. That all goods and services to be supplied by it under this Contract are fit and sufficient for the purpose intended, and
- b. That all goods and services covered by this Contract will conform to the specifications, drawing samples, symbols or other description specified by OSPS, and
- c. That such articles are merchantable, good quality, and free from defects whether patent or latent in material and workmanship, and
- d. That all workmanship, materials, and articles to be provided are of the best grade and quality, and
- e. That it has good and clear title to all articles to be supplied by it and the same are free and clear from all liens, encumbrances and security interest.

Neither the final certificate of payment nor any provision herein, nor partial nor entire use of the articles provided shall constitute an acceptance of work not done in accordance with this agreement or relieve the Provider liability in respect of any warranties or responsibility for faulty material or workmanship. The Provider shall remedy any defects in the work and pay any damage to other work resulting therefrom, which shall appear within one year from the date of final acceptance of the work provided hereunder. OSPS shall give written notice of observed defects with reasonable promptness.

**3. TAXES.** The provider agrees that, unless otherwise indicated in the order, the prices herein do not include federal, state, or local sales or use tax from which an exemption is available for purposes of this order. The provider agrees to accept and use tax exemption certificates when supplied by OSPS as applicable. In case it shall ever be determined that any tax included in the prices herein was not required to be paid by Provider, Provider agrees to notify OSPS and to make prompt application for the refund thereof, to take all proper steps to procure the same and when received to pay the same to OSPS.**4. PACKING AND SHIPMENT.** Deliveries shall be made as specified without charge for boxing, carting, or storage, unless otherwise specified. Articles shall be suitably packed to secure the lowest transportation cost and to conform to the requirements of common carriers and any applicable specifications. Order numbers and symbols must be plainly marked on all invoices, packages, bills



of lading, and shipping orders. Bill of lading should accompany each invoice. Count or weight shall be final and conclusive on shipments not accompanied by packing lists.

5. **DELIVERY.** Delivery should be strictly in accordance with delivery schedule. If Provider's deliveries fail to meet such schedule, OSPS, without limiting its other remedies, may direct expedited routing and the difference between the expedited routing and the order routing costs shall be paid by the Provider. Articles fabricated beyond OSPS's releases are at Provider's risk. The provider shall not make material commitments or production arrangements in excess of the amount or in advance of the time necessary to meet the delivery schedule, and, unless otherwise specified herein, no deliveries shall be made in advance of OSPSO's delivery schedule. Neither party shall be liable for excess costs of deliveries or defaults due to the causes beyond its control and without its fault or negligence, provided, however, that when the Provider has reason to believe that the deliveries will not be made as scheduled, written notice setting forth the cause of the anticipated delay will be given immediately to OSPS. If the Provider's delay or default is caused by the delay or default of a subcontractor, such delay or default shall be excusable only if it arose out of causes beyond the control of both Provider and subcontractor and without fault of negligence or either of them and the articles or services to be furnished were not obtainable from other sources in sufficient time to permit Provider to meet the required delivery schedule.
6. **FORCE MAJEURE.** The performance of an obligation by either party shall be excused in the event that performance of that obligation is prevented by an act of God, act of war, riot, fire, explosion, flood or other catastrophe, sabotage, severe shortage of fuel, power or raw materials, change in law, court order, national defense requirement, or strike or labor dispute, provided that any such event and the delay caused thereby is beyond the control of, and could not reasonably be avoided by, that party.
7. **INSPECTION.** All articles and work will be subject to final inspection and approval after delivery, notwithstanding prior payment, it being expressly agreed that payment will not constitute final acceptance. OSPS, at its option, may either reject any article or work not in conformity with the requirements and terms of this order, or re-work the same at Provider's expense. OSPS may reject the entire shipment where it consists of a quantity of similar articles and the sample inspection discloses that ten (10%) percent of the articles inspected are defective, unless Provider agrees to reimburse OSPS for the cost of a complete inspection of the articles included in such shipment. Rejected material may be returned to the Provider's risk and expense at the full invoice price plus applicable incoming transportation charges, if any. No replacement of defective articles of work shall be made unless specified by OSPS.
8. **INVOICE.** The original and duplicate invoices covering each and every shipment made against this order showing Contract number, Vendor number, and other essential particulars, must be forwarded promptly to the ordering agency concerned by the Vendor to whom the order is issued. Delays in receiving invoices, and any errors or omissions in statements will be considered just cause for withholding settlement without losing discount privileges. All accounts are to be carried out on the name of the agency or institution receiving the goods, and not in the name of OSPS.
9. **MODIFICATIONS.** OSPS reserves the right to increase or decrease all or any portion of the work and the articles required by the bidding documents or these agreements, or to eliminate all or any portion of such work or articles or to change delivery date hereon without invalidating this Contract. All such modifications shall be in writing. If any such modification is made, the Contract amount or amounts shall be adjusted accordingly. In no event shall Provider fail or refuse to continue the performance of the work in providing of articles under this Agreement because of the inability of the parties to agree on an adjustment or adjustments.

**10. TERMINATION.** OSPS may terminate the whole or any part of this Agreement in any one of the following circumstances:

- a. The Provider fails to make delivery of articles, or to perform services within the time or times specified herein, or
- b. If Provider fails to deliver specified materials or services, or
- c. If Provider fails to perform any of the provisions of this Agreement, or
- d. If Provider so fails to make progress as to endanger the performance of this Agreement in accordance with its terms, or
- e. If Provider is adjudged bankrupt, or if it makes a general assignment for the benefit of its creditors or if a receiver is appointed on account of its insolvency, or
- f. Whenever for any reason the State shall determine that such termination is in the best interest of the State to do so.

In the event that OSPS terminates this Agreement in whole or in part, pursuant to this paragraph with the exception of (f), OSPS may procure (articles and services similar to those so terminated) upon such terms and in such manner as OSPS deems appropriate, and Provider shall be liable to OSPS for any excess cost of such similar articles or services.

**11. NON-APPROPRIATION.** Notwithstanding any other provision of this Contract, if the State does not receive sufficient State, Federal, or other sources of funds to fund this Contract and other obligations of the State, if funds are de-appropriated, or if the State does not receive legal authority to expend funds from State or Federal legislative, executive or judicial bodies, then the State is not obligated to make payment under this Contract.

**12. GOVERNMENTAL REQUIREMENTS.** The Provider warrants and represents that it will comply with all applicable governmental ordinances, laws and regulations.

**13. GOVERNING LAW.** This Contract shall be governed in all respects by the laws, statutes, and regulations of the United States of America and of the State of Maine. Any legal proceeding against the State regarding this Contract shall be brought to the State of Maine administrative or judicial forums. The Provider consents to personal jurisdiction in the State of Maine.

**14. DISPUTES.** OSPS will decide any and all questions which may arise as to the quality and acceptability of articles provided and installation of such articles, and as to the manner of performance and rate of progress under this Contract. OSPS will decide all questions, which may arise as to the interpretation of the terms of this Agreement and the fulfillment of this Agreement on the part of the Provider.

**15. SUBLETTING, ASSIGNMENT OR TRANSFER.** The Provider shall not sublet, sell, transfer, assign or otherwise dispose of this Contract or any portion thereof, or of its right, title or interest therein, without the written request and written approval from the Department. Such approval shall not in any case relieve the Provider of its responsibility for performance of work or liability under this Contract.

**16. STATE HELD HARMLESS.** The Provider shall indemnify and hold harmless the Department and its officers, agents, and employees from and against any and all third party claims, liabilities, and costs, including reasonable attorney fees, for any or all injuries to persons or property or claims for money damages, including claims for violation of intellectual property rights, arising from the negligent acts or omissions of the Provider, its employees or agents, officers or Subcontractors in the performance of work under this Agreement; provided, however, the Provider shall not be liable

for claims arising out of the negligent acts or omissions of the Department, or for actions taken in reasonable reliance on written instructions of the Department.

**17. NON-COLLUSION.** The Provider warrants that it has not employed or contracted with any company or person, other than for assistance with the normal study and preparation of a proposal, to solicit or secure this Contract, and that it has not paid, or agreed to pay, any company or person, other than a bona fide employee working solely for the Provider, any fee, commission, percentage, brokerage fee, gifts, or any other consideration, contingent upon, or resulting from, the award of this Contract.

And, the Provider has not entered into a prior understanding, agreement, or connection with any corporation, firm, or person submitting a response for the same materials, supplies, equipment, or services, and this proposal is in all respects fair and without collusion or fraud. The above-mentioned entities understand and agree that collusive bidding is a violation of state and federal law and can result in fines, prison sentences, and civil damage awards.

For breach or violation of this provision, the Department shall have the right to terminate this Contract without liability or, at its discretion, to otherwise recover the full amount of such fee, commission, percentage, brokerage fee, gift, or contingent fee.

**18. MATERIAL SAFETY:** All manufacturers, importers, suppliers, or distributors of hazardous chemicals doing business in this State must provide a copy of the current Material Safety Data Sheet (MSDS) for any hazardous chemical to their direct purchasers of that chemical.

**19. ORDER OF PRECEDENCE.** In the event of a conflict between the documents comprising this Agreement, the Order of Precedence shall be:

- a. Exceptions - If applicable
- b. General Terms & Conditions for Goods and/or Services under Buyer Purchase Orders and Master Agreements
- c. Scope of Work - If applicable
- d. Vender Agreement - Included at Department's Discretion
- e. Other - Included at Department's Discretion

**20. CYBERSECURITY AND PROHIBITED TECHNOLOGIES.** The Provider certifies to the best of Provider's knowledge and belief that the aforementioned organization, its principals and any subcontractors are named in this Contract:

- a. is not a foreign adversary business entity, <https://www.maine.gov/oit/prohibited-technologies>, [Title 5 MRSA §2021 \(3\)](#); and
- b. is not on the list of prohibited companies or does not obtain or purchase any information or communications technology or services included on the list of prohibited information and communications technology and services <https://www.maine.gov/oit/prohibited-technologies>, [Title 5 MRSA §2030-B](#).

Contracts entered into by a state agency in violation of [Title 5 M.R.S. §2030-B](#) are void. A person who knowingly signs this contract, in violation of this section, commits a civil violation for which a fine may be adjudged in an amount that is twice the amount of this contract or \$250,000, whichever is greater, [Title 5 MRSA §2030-A](#).

**21. TARIFFS.** Any price increases implemented by the provider due to the imposition of tariffs shall remain in effect only for the duration that such tariffs are in place. In the event of the repeal or reduction of any applicable tariff(s), the provider shall immediately return to the original price list or make a proportional reduction in the price to reflect the decrease in tariff(s). Price adjustments under this clause shall be made in good faith and without undue delay upon confirmation via documents reflecting tariff changes.

**RIDER C: EXCEPTIONS TO RIDER B**

N/A


**RIDER D: RESPONSIBLE BIDDER CERTIFICATION**

*By signing this document, I certify to the best of my knowledge and belief that the aforementioned organization, its principles, and any subcontractors are named in this proposal:*

- a. Are not presently debarred, suspended, proposed for debarment, and declared ineligible or voluntarily excluded from bidding or working on contracts issued by any governmental agency.*
- b. Have not within three years of submitting the proposal for this contract been convicted of or had a civil judgment rendered against them for:*
  - i. fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a federal, state or local government transaction or contract.*
  - ii. violating Federal or State antitrust statutes or committing embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.*
  - iii. are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or Local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and*
  - iv. have not within a three (3) year period preceding this proposal had one or more federal, state or local government transactions terminated for cause or default.*
- c. Have not entered into a prior understanding, agreement, or connection with any corporation, firm, or person submitting a response for the same materials, supplies, equipment, or services and this proposal is in all respects fair and without collusion or fraud. The above-mentioned entities understand and agree that collusive bidding is a violation of state and federal law and can result in fines, prison sentences, and civil damage awards.*

- Failure to provide this certification may result in the disqualification of the Bidder's proposal, at the discretion of the Department.**

*To the best of my knowledge all information provided in the enclosed proposal, both programmatic and financial, is complete and accurate at the time of submission.*

Name: Rob Spatz	Title: National Sales Manager
Authorized Signature:  0F33C2CC3C6B435...	Date: 7/24/2025

## **RIDER E**

### **MAKE READY REQUIREMENTS**

Sites will be ready for charger installation with all make ready work completed by the state. State electricians and/or contracted electricians will supply 7.2kW (240VAC@30A) X2 for each dual plug station. Standard conduit is ¾" and oversized conduit for future installation is 1-1/4"-2". The required power cable must be run. The concrete pad should be 24"X24"X24". In addition, the bollard mounting kit that is included in the bid will need to be installed. Verification of cellular coverage is required. If an octopus meter is being used to register cellular readings, they should be between -55 to -99. When the ChargePoint certified installer is to complete station installation and activation they will bolt down the station and connect to ChargePoint cellular coverage. Station installation information for the CT4000 can be found at <https://www.chargepoint.com/products/guides>

**RIDER H****IDENTIFICATION OF COUNTRY****IN WHICH CONTRACTED WORK WILL BE PERFORMED**

**Please identify the country in which the services purchased through this contract will be performed:**

☒ **United States. Please identify state: Maine**

☐ **Other. Please identify country: Enter Country**

**Notification of Changes to the Information**

The Provider agrees to notify the Division of Procurement Services of any changes to the information provided above.



**RIDER J****STATE OF MAINE****DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES****DIVISION OF PROCUREMENT SERVICES****MUNICIPALITY POLITICAL SUBDIVISION and SCHOOL DISTRICT PARTICIPATION CERTIFICATION**

The Division of Procurement Services is committed to providing purchasing opportunities for **municipalities, political subdivisions and school districts** in Maine by allowing them access, through our vendors, to our contract pricing. A bidder's willingness to extend contract pricing to these entities will be taken into consideration in making awards.

Will you accept orders from political subdivisions and school districts in Maine at the prices quoted?

\_\_\_\_\_ Yes

\_\_\_\_\_ Yes, with conditions as follows:

\_\_\_\_\_ No

**Name of Company:**

---

**Address:**

---

**Signature:**

Signed by:

*Rob Spatz*

0F33C20C0C6B435...

---

**Date:** 7/24/2025

---

RIDER K

Carbon Day 2025 Pricing

	CT 4000 Series	
	CT4021	CT4023
Hardware	\$5,900.00	\$5,900.00
1 Year Cloud	\$700.00	\$700.00
Power Management	\$50.00	\$50.00
Assure 1 Year	\$575.00	\$575.00
Concrete Mounting Kit	\$90.00	\$0.00
Station Activation	\$249.00	\$249.00
Shipping	\$275.00	\$275.00
Installation	\$1,225.00	\$1,225.00
Total	\$9,064.00	\$8,974.00

	CP 6000 Series 50 Amp			
	CP6011B-50A-L5.5	CP6013B-50A-L5.5	CP6021B-50A-L5.5	CP6023B-50A-L5.5
Hardware	\$5,200.00	\$5,200.00	\$7,250.00	\$7,250.00
1 Year Cloud	\$350.00	\$350.00	\$700.00	\$700.00
Assure 1 Year	\$410.00	\$410.00	\$410.00	\$410.00
Concrete Mounting Kit	\$110.00	\$0.00	\$110.00	\$0.00
Station Activation	\$249.00	\$249.00	\$249.00	\$249.00
Shipping	\$320.00	\$320.00	\$320.00	\$320.00
Installation	\$1,225.00	\$1,225.00	\$1,225.00	\$1,225.00
Total	\$7,864.00	\$7,754.00	\$10,264.00	\$10,154.00

	CP 6000 Series 80 Amp							
	CP6011B-80A-L5.5	CP6013B-80A-L5.5	CP6021B-80A-L5.5	CP6023B-80A-L5.5	CP60118B-80A-L7	CP6013B-80A-L7	CP6021B-80A-L7	CP6023B-80A-L7
Hardware	\$6,093.00	\$6,078.00	\$9,500.00	\$9,500.00	\$6,500.00	\$6,500.00	\$9,999.00	\$9,999.00
1 Year Cloud	\$350.00	\$350.00	\$700.00	\$700.00	\$350.00	\$350.00	\$700.00	\$700.00
Assure 1 Year	\$410.00	\$410.00	\$410.00	\$410.00	\$410.00	\$410.00	\$410.00	\$410.00
Concrete Mounting Kit	\$110.00	\$0.00	\$110.00	\$0.00	\$110.00	\$0.00	\$110.00	\$0.00
Station Activation	\$249.00	\$249.00	\$249.00	\$249.00	\$249.00	\$249.00	\$249.00	\$249.00
Shipping	\$320.00	\$320.00	\$320.00	\$320.00	\$320.00	\$320.00	\$320.00	\$320.00
Installation	\$1,225.00	\$1,225.00	\$1,225.00	\$1,225.00	\$1,225.00	\$1,225.00	\$1,225.00	\$1,225.00
Total	\$8,757.00	\$8,632.00	\$12,514.00	\$12,404.00	\$9,164.00	\$9,054.00	\$13,013.00	\$12,903.00

	CPF 50 Series								
	CPF50-L18-GW-USA	CPF50-L18-GW-USA	CPF50-L18-PEDMNT-GW-USA	CPF50-L18-PEDMNT-DUAL-GW-USA	CPF50-L18-PEDMNT-CMK6-GW-USA	CPF50-L23-PEDMNT-CMK8-GW-USA	CPF50-L23-PEDMNT-CMK8-DUAL-GW-USA	CPF50-L23-PEDMNT-GW-USA	CPF50-L23-PEDMNT-DUAL-GW-USA
Hardware	\$630.00	\$698.00	\$989.00	\$1,619.00	\$1,615.00	\$1,971.00	\$2,686.00	\$1,056.00	\$1,754.00
1 Year Cloud	\$230.00	\$230.00	\$230.00	\$460.00	\$230.00	\$230.00	\$460.00	\$230.00	\$460.00
Assure 1 Year	\$145.00	\$145.00	\$145.00	\$290.00	\$145.00	\$145.00	\$290.00	\$145.00	\$290.00
Concrete Mounting Kit	\$75.00	\$75.00	\$75.00	\$75.00	\$75.00	\$75.00	\$75.00	\$75.00	\$75.00
Station Activation	\$95.00	\$95.00	\$95.00	\$190.00	\$95.00	\$95.00	\$190.00	\$95.00	\$190.00
Shipping	\$100.00	\$100.00	\$200.00	\$200.00	\$225.00	\$225.00	\$225.00	\$200.00	\$200.00
Installation	\$1,225.00	\$1,225.00	\$1,225.00	\$1,225.00	\$1,225.00	\$1,225.00	\$1,225.00	\$1,225.00	\$1,225.00
Total	\$2,500.00	\$2,568.00	\$2,959.00	\$4,059.00	\$3,610.00	\$3,966.00	\$5,151.00	\$3,026.00	\$4,194.00

	CPE250 Series	
	CPE250C-625-CCS1-200-CHD	CPE250C-625-CCS1-200-CHD-FTA
Hardware	\$27,500.00	\$33,840.00
1 Year Cloud	\$1,175.00	\$1,175.00
Assure 1 Year	\$2,250.00	\$2,250.00
Mounting & Tool Kit	\$0.00	\$0.00
Station Activation	\$249.00	\$249.00
Shipping	\$1,000.00	\$1,000.00
Installation & Commissioning	\$4,450.00	\$4,450.00
Total	\$36,624.00	\$42,964.00



CONTRACT EXTENSION

Contract Number: 042221-CPI

Sourcewell	and	ChargePoint
202 12th Street Northeast		254 E Hacienda Ave
P.O. Box 219		
Staples, MN 56479		Campbell, California 95008-6617
(Sourcewell)		(Vendor)

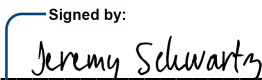
have entered into Contract Number: 042221-CPI  
for the procurement of: Electric Vehicle Supply Equipment and Related Services

The Contract has an expiration date of 2025-07-20 , but the parties may extend the Contract by mutual consent.

Sourcewell and Vendor acknowledge that extending the Contract benefits the Vendor, Sourcewell and Sourcewell’s Members. Vendor and Sourcewell agree to extend the Contract listed above for an additional period, with a new Contract expiration date of 2026-07-20 . All other terms and conditions of the Contract remain in full force and effect.

Sourcewell

Signed by:

  
C0FD2A139D06489

Authorized Signature

Jeremy Schwartz

Name

Chief Operating and Procurement Officer

Title

12/18/2024 | 10:53 AM CST

Date

DocuSigned by:

  
0273ECE89F57429

Authorized Signature

Henrik Gerdes

Name

Chief Accounting Officer

Title

12/19/2024 | 10:49 AM PST

Date

# CT4000 Family

ChargePoint® Level 2 Commercial Charging Stations

The CT4000 family is the latest generation of ChargePoint commercial charging stations. Refined yet rugged, these stations set the industry standard for functionality and aesthetics.

The CT4000 full motion color LCD display instructs drivers and supports dynamic updates of custom branded videos and advertisements.

Intelligent power management options double the number of parking spaces served by allowing two charging ports to share a single circuit. Sites with single port EV stations can upgrade to dual port stations without requiring additional electrical services.

The CT4000 is the first ENERGY STAR® certified EV charger because it charges efficiently and conserves power when not charging. As an ENERGY STAR certified EV charger, the CT4000 uses significantly less energy than a standard EV charger when in standby mode to help you save money on your utility bill.

All CT4000 models offer one or two standard SAE J1772™ Level 2 charging ports with locking holsters, each port supplying up to 7.2kW. With this standard connector, ChargePoint level 2 stations can charge any EV.

Stations are available in bollard and wall mount configurations for easy installation anywhere. All stations are fully software upgradeable remotely over the air.

Stations come in both 6' and 8' tall models with 18' and 23' cords, respectively. With multiple options for size and cord reach, your station can service up to four parking spaces, reach all car models regardless of parking style or car sizes and increase the usability of your EV spots.

## Driver Friendly User Interface

- + Instructional video shows how to use the station
- + Multi-language: English, French, Spanish
- + Touch button interface; works in rain, ice and with gloves
- + Backed by ChargePoint's world class 24/7 driver phone support

## Easily Communicate with Your Drivers

Whether you're a retail establishment wanting to advertise your latest product, a workplace looking to communicate with employees or a municipality wanting to welcome visitors, ChargePoint's prominent LCD screen makes it easy to reach EV drivers:

- + Daylight readable, with auto brightness control
- + 640 X 480 resolution active matrix
- + Full motion 30fps video support
- + Upload up to 60 seconds of high quality video on a color LCD screen to individual stations as often as desired
- + Brand your charging stations to communicate with drivers
- + Instructional video in English, Spanish or French



The First  
ENERGY STAR®  
Certified EV Charger

## ChargePoint CT4000 Family

### Service Products and Support

ChargePoint offers world-class service products and support that help ensure quality of work, save time and money, protect your investment and enhance the productivity of your charging stations. From site planning to installation and setup, to ongoing care and management, when you choose ChargePoint, you're covered.

- + ChargePoint Configuration and Activation: customized setup and activation of your stations
- + ChargePoint Assure: the most comprehensive EV Station maintenance and management in the industry

### Energy Measurement and Management

- + Real-time energy measurement
- + 15 minute interval recording
- + Time of Day (TOD) pricing
- + Load shed by percentage of running average or to fixed power output

### Minimize Costs with Flexible Power Management Options

In the vast majority of applications, a full power configuration is the best choice for both station owners and drivers. However, when drivers are parked for a longer time, an intelligent, lower power output can save station owners considerable installation cost while still providing drivers a great charging experience. With flexible power options, station owners can meet the needs of drivers while lowering costs:

#### Power Select (Patent Pending)

- + Allows for a lower capacity (less than 40A) circuit to power each port
- + Cuts installation costs by reducing the cost or even avoiding the need to upgrade panels or transformers

#### Power Sharing

- + Dynamically share one 40A, 30A or 20A circuit between two parking spaces
- + Doubles the number of parking spots served while reducing installation and operating costs
- + Allows station owners to upgrade a single port station to dual port to serve more drivers with no electrical upgrade

### Clean Cord Technology

- + Keep charging cords off the ground
- + Standard on all models
- + Ultra-reliable second-generation gravity operated mechanism
- + Flexible over entire -40°F to +122°F product temperature range

### Safe, Reliable, Energy Efficient Hardware

- + UL listed, meeting the stringent requirements of the nation's leading safety standards organization
- + Stations are rugged, built to withstand the elements
- + Safe, Reliable and Energy Efficient
- + ENERGY STAR certified, charges efficiently and conserves power when not charging

### When Charging is Mission Critical, Protect Your Investment with ChargePoint Assure

- + Minimize downtime: ChargePoint Assure provides the most comprehensive EV Station maintenance and management in the industry
- + Get up and running quickly and flawlessly: Professional guidance for station configuration saves you time, and unlimited changes to station policies flexibly supports your business
- + Eliminate unexpected future expenses: Cost for parts and on-site labor to install is covered for all Assure eligible repairs
- + One less thing to worry about: Proactive station monitoring provides you with regular reporting
- + Reduced risk of downtime: We guarantee 98% annual uptime and one business day response to requests
- + Support when you need it: We're there for you *and* your drivers. Phone support available for station owners Monday to Friday from 5 AM to 6 PM Pacific. Phone support for drivers is 24/7/365, so you never need to field a driver call

Ultra-reliable second-generation gravity operated mechanism.

18' and 23' cords to reach all car models and serve more parking spaces.

World-class 24/7 driver phone support.

Instructional video shows how to use the station. Multi-language charging instructions, giving drivers the choice of English, French or Spanish.

Driver interaction is supported in any weather by five rugged, back-lit buttons with audio feedback.

Strong and rugged design materials built to withstand the elements.

CT4000 stations come with 18' or 23' cords to increase the usability of your charging spots, on 6' and 8' tall models respectively.

### CT4021

Dual-port bollard charging station with 18' charging cables. Standard *EV Charging Only* sign without optional custom branding.



## Promote Your Brand and Business

Having your stations installed in a visible location makes a bold statement about your business' commitment to sustainability and shows that you care about your customers. ChargePoint CT4000 stations are built for customization so you can conveniently promote your brand as well. With custom signage and video you can:

- + Increase brand recognition
- + Attract EV drivers by making sure your stations are highly visible
- + Ensure EV charging installations are consistent with the look and feel of your brand
- + Differentiate your stations from standard ChargePoint stations to make them easily identifiable by your driver base



**Branded CT4021**  
Shown with optional branding on bollard. 18' cords on 6' model.

- Easily customizable branding area.
- All stations come with *EV Charging Only* sign, which can be replaced with your custom signage.
- 5.7" color LCD display for customizable video content.
- Upload up to 60 seconds of high quality video to individual stations as often as desired.
- Daylight readable with auto brightness control.
- OPTIONAL:
- Additional customizable branding areas.
- All stations have standard extrusions to hold your custom signage.
- Artwork templates and material specifications are conveniently downloadable from [chargepoint.com](http://chargepoint.com)



**Branded CT4025**  
Shown with optional branding on back. 23' cords on 8' model.



## ChargePoint CT4000 Family

### Bollard Charging Stations

CT4011



CT4021



CT4025



### Wall Mount Charging Stations

CT4013



CT4023



CT4027



### Contact Us

Visit <https://carbodayevcharging.com/>

Rob Spatz

Call +1 (518) 645-6733

Email [rob.spatz@carbodayevcharging.com](mailto:rob.spatz@carbodayevcharging.com)




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240 East Hacienda Avenue  
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[chargepoint.com](http://chargepoint.com)

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Listed by Underwriters  
Laboratories Inc. 



# ChargePoint 6000 Series

Level 2 AC charging for businesses



Prepare for the future of electric mobility with a complete, connected charging solution.





## Maximize charging, minimize complexity

The ChargePoint® 6000 Series (CP6000) makes you part of the future of electric mobility, now. Our integrated electric vehicle (EV) charging solution offers convenient, reliable AC charging for your employees, customers, visitors, residents or fleets. No matter what your organization's goals or your drivers' needs, we provide a complete package that makes it easy to get started and measure success. With flexible software controls, advanced station design and power management capabilities, you can easily scale your charging capacity while controlling costs.

### ChargePoint's integrated solution includes:

- + Charging management software
- + Station hardware providing up to 19.2 kW per port
- + Driver app and network
- + Owner and driver support
- + ChargePoint Assure® service program
- + Turnkey installation via partner network

## Ready to charge where your business needs it



Workplace



Retail



Parking



Commercial fleet



Hospitality



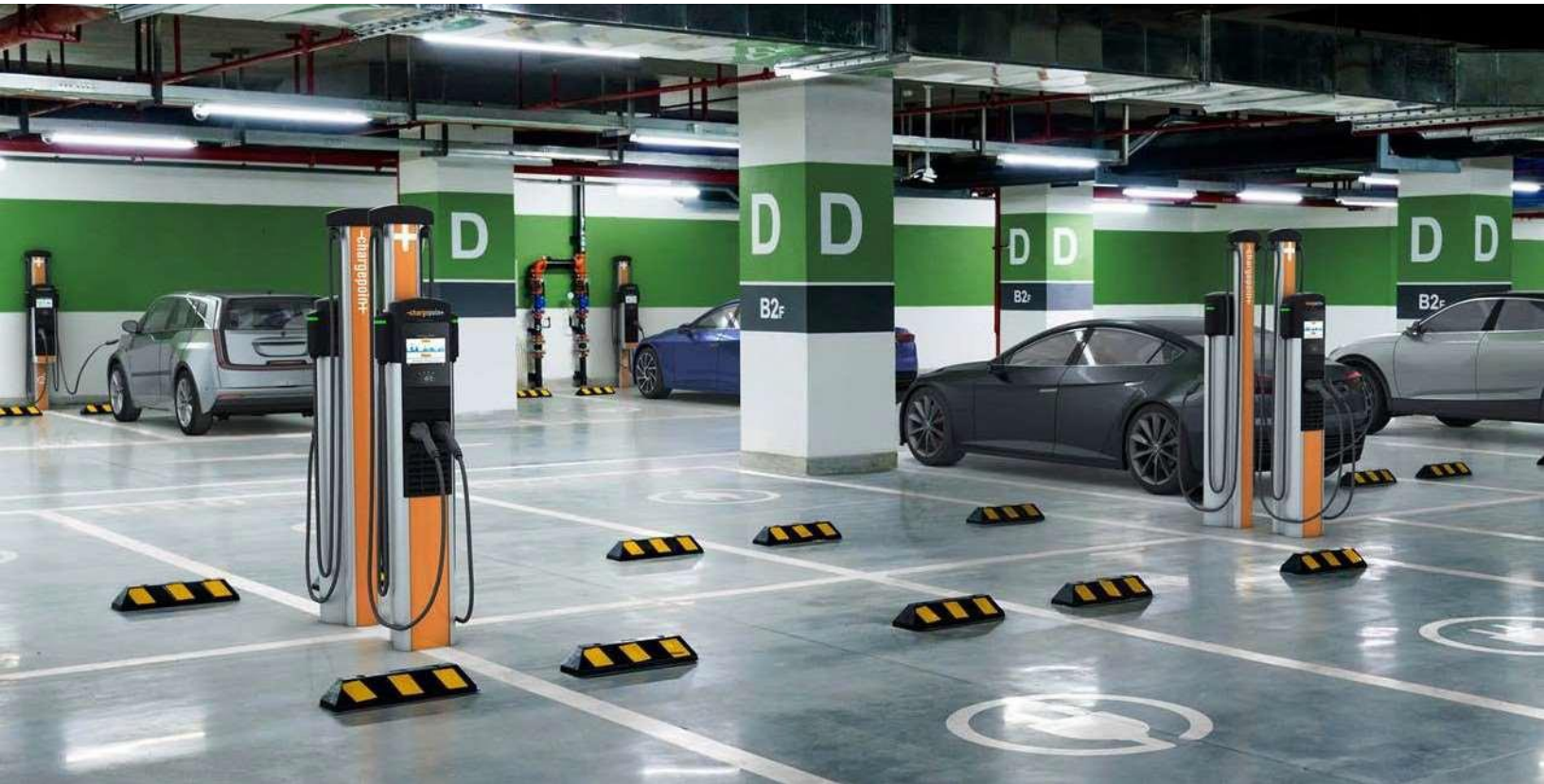
Multifamily  
residential



Healthcare



Education



## Manage charging with ease

Flexible software simplifies charging management and makes it easy to update settings as you go. Monitor usage, set pricing, manage energy and simplify reporting across all your stations, including hardware already installed.

### Comprehensive

Eliminate uncertainty and make charging work for your business by accessing all the controls, real-time status and analytics you need.



## Prepare for tomorrow

### Dynamic

Make your investment go further through flexible pricing policies, driver access control, Waitlist and more.

### Optimised

Reduce electrical upgrade and energy costs while serving more drivers with Power Management.

## Prepare for tomorrow

CP6000 is ready to serve your drivers now and grow with your changing needs to meet new demand. Future-proof your charging with modular station hardware and automatic software updates for the latest features.

### Scalable

Manage costs and complexity as you grow with a solution designed to anticipate future requirements.

### Configurable

Tailor charging to your needs, thanks to flexible power inputs, station configurations and installation options.

### Modular

Simplify installation and field servicing with a modular station design.



## Keep your drivers happy

Reduce operational headaches, keep stations in use, improve productivity and generate positive brand association by enhancing driver satisfaction. ChargePoint provides everything you need to give your drivers a superior charging experience.

### Effortless

Deliver unique value to your organization by giving drivers charging designed for convenience and accessibility.

### Supported

Provide excellent service without additional effort by relying on our multi-language driver support.

### Connected

Attract drivers and make charging easier with our broad charging network, roaming partnerships, mobile app and driver services.

## Charge with confidence

Reliable charging is critical for your business and your drivers. Choose the solution you can depend on to maximize charging availability, minimize operational disruption and control total cost of ownership.

### Reliable

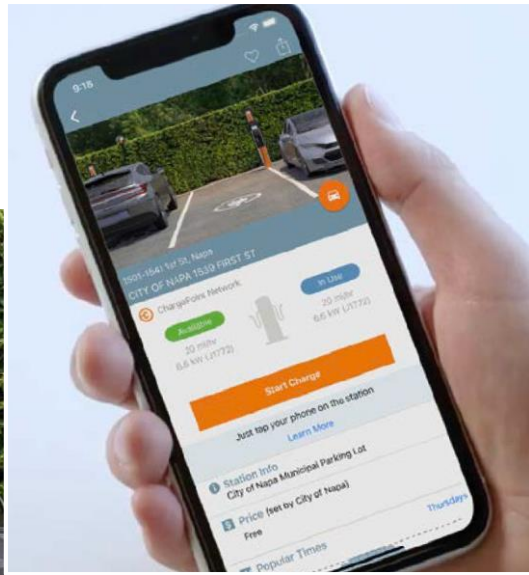
Keep charging ready with tested solutions engineered for quality, safety and continuous use.

### Integrated

Save time and effort with a complete solution and a single partner for your software, hardware, service and support needs.

### Protected

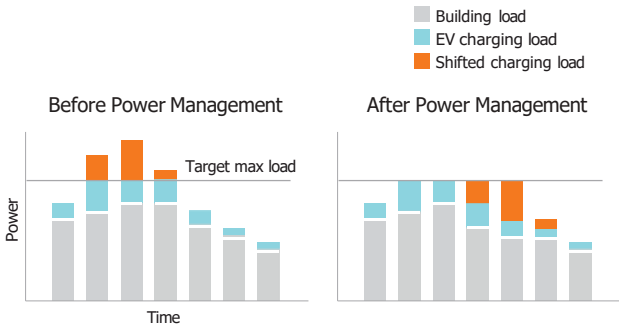
Succeed without distractions thanks to ChargePoint Assure, our industry-leading maintenance and management service package.



## Benefits of the ChargePoint 6000 Series

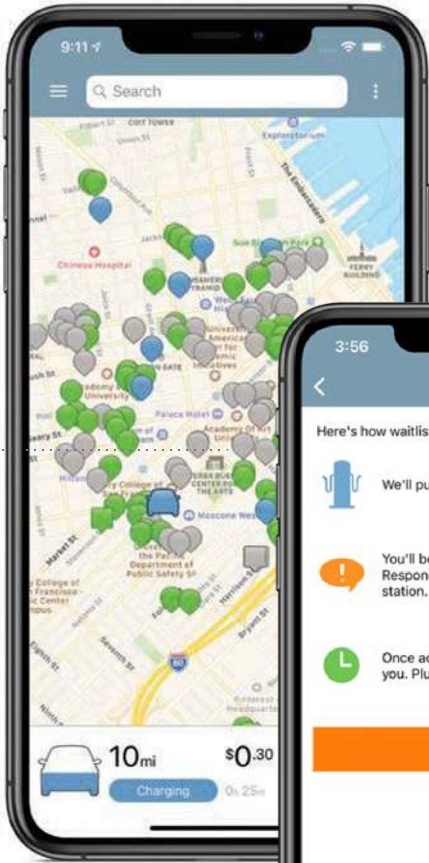




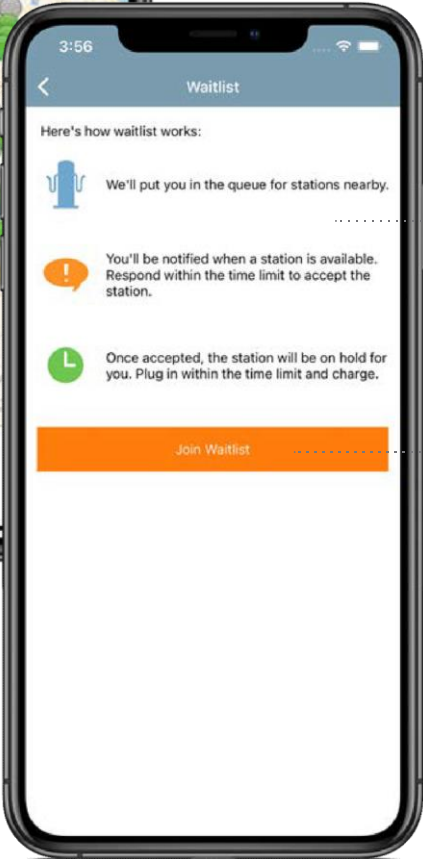


Make your investment go further with flexible settings, pricing policies, dashboards, analytics and more. Manage your existing Open Charge Point Protocol (OCPP) compliant stations with ChargePoint network software.

Avoid electrical upgrades, reduce electricity bills and serve more drivers with Power Management.



Attract drivers by making your stations part of the broad ChargePoint network.



Enhance driver satisfaction with the user-friendly ChargePoint app. Integrations with vehicle systems and navigation apps provide drivers seamless access to your stations and the ChargePoint network wherever they go.

Maximize station use and save time with Waitlist, which lets drivers enter a queue if all ports are in use and get notified when it is their turn to plug in.

Specifications

Feature	Description
Power	3.7 - 19.2 kW per port
Connectivity	4G LTE with GSM as backup
Authentication and payment	RFID, tap to charge (NFC), remote via mobile app or in vehicle, contactless credit card, EMV chip credit card option (for -CHIP models only)
Interface	8" (inch) interactive display with full colour, UV protection, gesture touch controls and multi-language support
Connector	SAE J1772 cable
Network communication protocol	OCPP 2.0.1
ISO 15118 standard	Supported
Operating temperature range	-40°C to 50°C
Certifications	UL Certified, Energy Star Certified*

Configuration options

Feature	Description
Port type	Integrated cable
Number of ports	Dual, single
Mounting options	Pedestal, wall
Cable length	18', 23'

\* Energy Star Certified only applies to dual port versions of the CP6000 hardware.

Pedestal mount

Wall mount



CP6011B-50A-L5.5  
CP6011B-80A-L5.5  
CP6011B-50A-L5.5-CHIP  
CP6011B-80A-L5.5-CHIP  
Pedestal mount,  
single port, 18' cable



CP6021B-50A-L5.5  
CP6021B-80A-L5.5  
CP6021B-50A-L5.5-CHIP  
CP6021B-80A-L5.5-CHIP  
Pedestal mount,  
dual port, 18' cable



CP6013B-50A-L5.5  
CP6013B-80A-L5.5  
CP6013B-50A-L5.5-CHIP  
CP6013B-80A-L5.5-CHIP  
Wall mount,  
single port, 18' cable



CP6023B-50A-L5.5  
CP6023B-80A-L5.5  
CP6023B-50A-L5.5-CHIP  
CP6023B-80A-L5.5-CHIP  
Wall mount, dual port,  
18' cable





## Let's get started

Ready to deploy EV charging for your organization? Our experts will help you identify your charging goals and advise on the best approach.

Learn more and take the interactive 3D product tour at [chargepoint.com](https://chargepoint.com).



Rob Spatz  
National Sales Manager  
Carbon Day EV Charging  
518-645-6733  
[rob.spatz@carbondayevcharging.com](mailto:rob.spatz@carbondayevcharging.com)

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Listed by Underwriters  
Laboratories Inc.





# Express 250

Smart DC FastCharging



The ChargePoint® Express family is designed to meet the fast charging needs of today's and tomorrow's electric vehicles.

## ChargePoint Express 250

### High Power in a Small Footprint

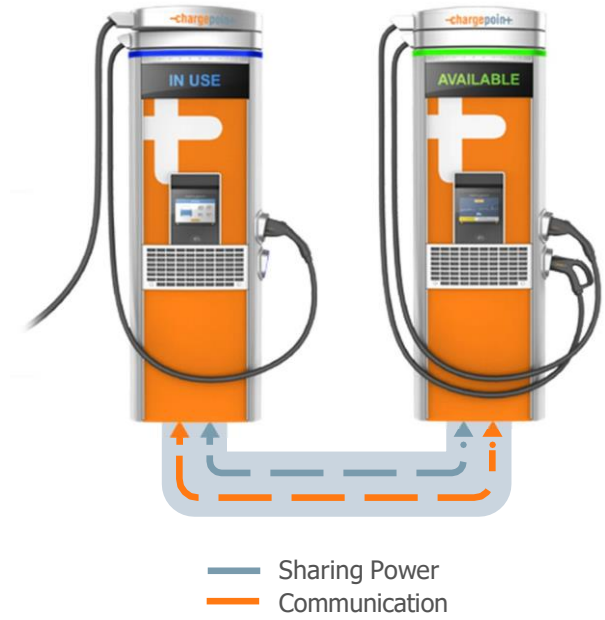
ChargePoint® Express 250 is based on industry-leading DC fast charging technology, engineered to fast charge current and next-generation electric cars, buses and trucks. At the heart of each Express 250 are 2 self-contained, easily swappable AC to DC Power Modules. This innovative design ensures that in the rare instance one module goes down, the station remains operational. It can be installed as a stand-alone station or in a paired configuration providing up to 25% more power than a 50kW station and 40% more with a paired configuration. When paired, smart power sharing and power allocation policies determine how much energy is allotted to each station in order to deliver flexible fast charging to two vehicles at a time.

### Thoughtfully Designed

The Express 250's interactive LCD screen lets drivers easily interact with instructions, information or promotions. A wide-format LED display makes availability and status easy to see, even at a distance. Up to two connector types allow charging of any electric vehicle and an advanced cable management system provides extra reach, while keeping cables off the ground. Fault-tolerant design, remote monitoring and intelligent diagnostics provide proactive alerts to prevent station outages, eliminating driver frustration.

### Smart & Fully Supported

Built-in cellular networking makes remote management of the Express 250 easy. ChargePoint Cloud Services lets station owners customize the stations to meet their specific requirements, including setting pricing policies for public charging or making stations available to certain driver groups such as employees only. Automatic software upgrades ensure the latest features are always available. The ChargePoint mobile app and in-dash systems tie everything together: drivers can locate stations, instantly begin charging, check their charging status, track their charging activity over time and, depending on the configuration, get in line to charge at busy stations.



### Connectivity and more power in paired configuration

### High Availability and Serviceability

The Express 250 has minimal moving parts, increasing reliability and minimizing ongoing maintenance. Modular components can be installed in the field without any specialized tools or expertise.

- + Instrumentation for remote monitoring, intelligent diagnostics and machine learning
- + Configurable levels of Power Module redundancy and duty cycle management

### Universal Compatibility

The Express 250 supports battery packs from 200V to 1000V, ensuring both legacy and future electric vehicles can always be charged.

- + Compatible with international electrical grid standards and vehicles
- + Supports current and future global standards, including: CCS1, CCS2 and CHAdeMO

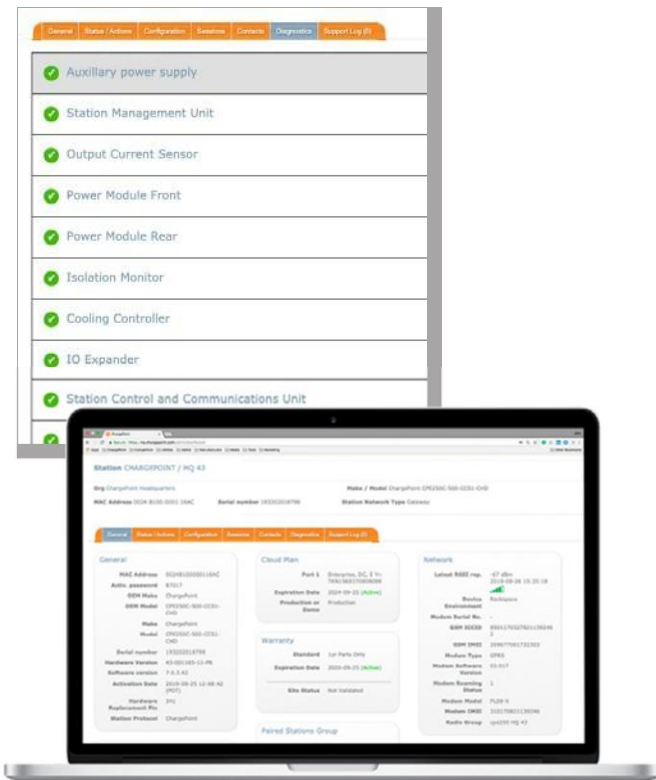


### Connectors supported

## Cloud-Based Station Management

The Express 250 lets station owners easily monitor the stations remotely, tailor pricing to different driver groups and configure power to manage electrical costs or meet site-specific power requirements. Automatic software updates instantly provide the latest features and enhancements to both drivers and station owners.

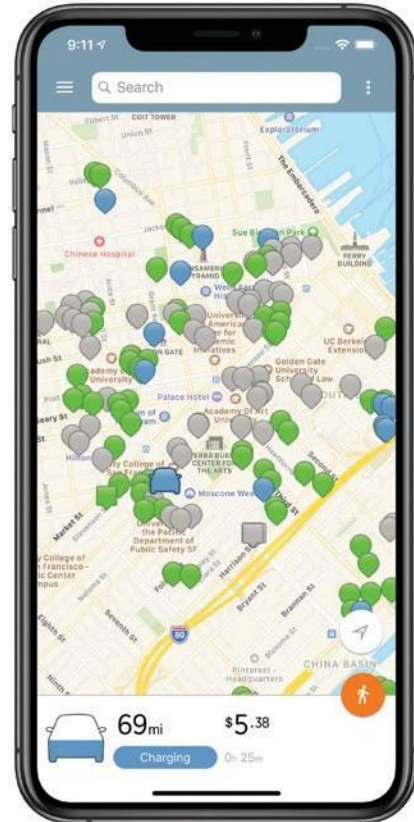
- + 24/7 station monitoring
- + Multiple authentication and/or payment methods



Cloud management and monitoring

## Mobile App and In-Dash Integration

The Express 250 is integrated with the ChargePoint mobile app and vehicle in-dash systems to provide drivers with real-time availability of stations on the network, which also lets them "get in line" to use busy charging spots. To find out how ChargePoint benefits drivers, visit [chargepoint.com/drivers](https://chargepoint.com/drivers)



Mobile app view

## When Charging is Mission Critical, Protect Your Investment with ChargePoint® Assure™

ChargePoint® Assure™ provides the most comprehensive EV station maintenance and management in the industry. The cost for parts and on-site labor to install is covered for all Assure eligible repairs, eliminating unexpected future expenses. Please visit [chargepoint.com/products/service](https://chargepoint.com/products/service) for more details.

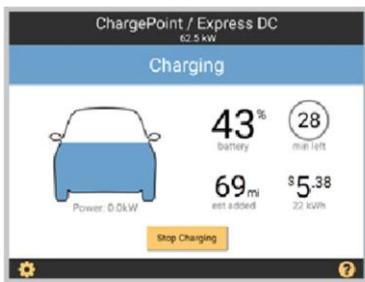
## Subscription Pricing Makes Ownership Easy

ChargePoint as a Service® gives you access to smart solutions with subscription pricing, allowing you to retain full control of your EV charging solutions while we manage everything else. To find out how to preserve your CapEx funds, visit [chargepoint.com/products/cpaas](https://chargepoint.com/products/cpaas)

## ChargePoint Express 250

### Express 250 Station Benefits

Cable management keeps cables off the ground and makes it easy to reach charging port in any location



Touch sensitive LCD display shows charging information and can be used in any season



LED ring and large LED display allows drivers to easily see availability of the station at a distance

Multiple different connectors ensure any car can be charged



Capacity to store two power modules (see Power Module Benefits below)

### Power Module Benefits

Self-contained AC to DC power conversion system allows for smaller installation footprint



Sealed units are easily field installed in Express 250 stations

High-efficiency power conversion (> 95%) reduces electricity costs and wasted energy

### Contact Us:

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**Call: +1-518-645-6733**

**Email: [rob.spatz@carbodayevcharging.com](mailto:rob.spatz@carbodayevcharging.com)**



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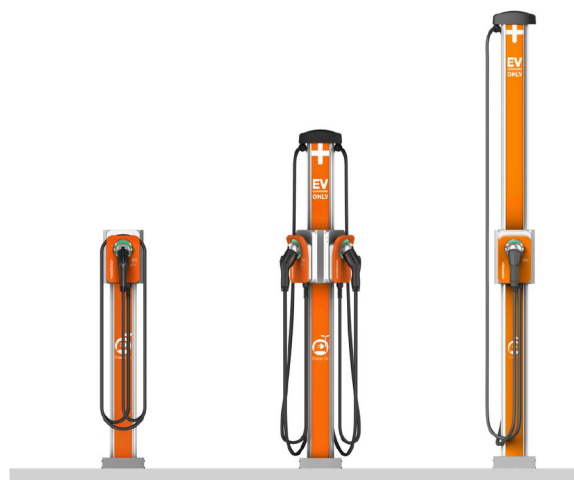
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# CPF50

Networked Charging Station

## Site Design Guide





# IMPORTANT SAFETY INSTRUCTIONS

## SAVE THESE INSTRUCTIONS

### WARNING:



1. **Read and follow all warnings and instructions before servicing, installing, or operating the ChargePoint® charging station.** Install and operate only as instructed. Failure to do so may lead to death, injury, or property damage, and will void the Limited Warranty.
2. **Only use licensed professionals certified by ChargePoint for installation and service, adhere to all national and local building codes and standards, and ensure compliance** with local building and electrical codes and standards, climate conditions, safety standards, and all applicable codes and ordinances. Inspect the charging station for proper installation before use.
3. **Always ground the ChargePoint charging station.** Failure to ground the charging station can lead to risk of electrocution or fire. The charging station must be connected to a grounded, metal, permanent wiring system, or an equipment grounding conductor shall be run with circuit conductors and connected to the equipment grounding terminal or lead on the Electric Vehicle Supply Equipment (EVSE). Connections to the EVSE shall comply with all applicable codes and ordinances.
4. **Install the ChargePoint charging station on a concrete pad using a ChargePoint-approved method.** Failure to install on a surface that can support the full weight of the charging station can result in death, personal injury, or property damage. Inspect the charging station for proper installation before use.
5. **This charging station is not suitable for use in Class 1 hazardous locations, such as near flammable, explosive, or combustible vapors or gases.**
6. **Supervise children near this device.**
7. **Do not put fingers into the electric vehicle connector.**
8. **Do not use this product if any cable is frayed, has broken insulation, or shows any other signs of damage.**
9. **Do not use this product if the enclosure or the electric vehicle connector is broken, cracked, open, or shows any other signs of damage.**
10. **Use only copper conductor wire rated for 90 °C (194 °F).**



**IMPORTANT:** Under no circumstances will compliance with the information in a ChargePoint guide such as this one relieve the user of the responsibility to comply with all applicable codes and safety standards. This document describes approved procedures. If it is not possible to perform the procedures as indicated, contact ChargePoint. **ChargePoint is not responsible for any damages that may result from custom installations or procedures not described in this document or that fail to adhere to ChargePoint recommendations.**

Product Disposal

Do not dispose of as part of unsorted domestic waste. Inquire with local authorities regarding proper disposal. Product materials are recyclable as marked.

Document Accuracy

The specifications and other information in this document were verified to be accurate and complete at the time of its publication. However, due to ongoing product improvement, this information is subject to change at any time without prior notice. For the latest information, see our documentation online at [chargepoint.com/guides](https://chargepoint.com/guides).

Copyright and Trademarks

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Symbols

This guide and product use the following symbols:



**DANGER:** Risk of electric shock



**WARNING:** Risk of personal harm or death



**CAUTION:** Risk of equipment or property damage



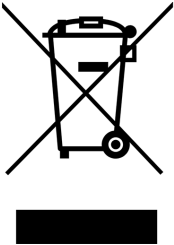
**IMPORTANT:** Crucial step for installation success



Read the manual for instructions



Ground/protective earth



Illustrations Used in This Document

The illustrations used in this document are for demonstration purposes only and may not be an exact representation of the product. However, unless otherwise specified, the underlying instructions are accurate for the product.



# Contents

Important Safety Instructions .....	ii
<b>2 Site Design Guidelines .....</b>	<b>7</b>
Initial Site Guidelines .....	7
Electrical Requirements .....	7
Charging Station Placement .....	9
Layout Considerations .....	9
Electrical Considerations .....	10
Power Management .....	11
Additional Considerations .....	11
Plan for the Future .....	11
<b>3 Civil and Mechanical Design .....</b>	<b>12</b>
Wall Mount Stations .....	12
Pedestal Mount Stations .....	13
Accessibility .....	18
<b>4 Electrical Design .....</b>	<b>19</b>
Upstream Wiring .....	19
Conduit .....	20
Wiring Requirements .....	20
Wiring Diagram .....	21
Grounding Requirements .....	22
Plan for the Gateway (if required) .....	25
Cellular Connectivity .....	26
<b>5 CPF50 Pedestal Mount Concrete Preparation .....</b>	<b>27</b>
Installation Overview .....	27
Installation on New Concrete .....	28
Installation Instructions .....	30
Complete After Concrete Cures .....	31
Installing on Existing Concrete .....	32
Tools and Consumables Required .....	33



Installation Instructions ..... 34

Complete After Concrete Cures ..... 36

Installing onto a Stacked Parking Platform ..... 36



# Site Design Guidelines 2

This document describes how to design a project site for the ChargePoint® CPF50 charging station for electric vehicles. This includes guidelines and best practices for electrical infrastructure and capacity planning, construction and concrete work required prior to installation of charging stations, and cellular signal requirements.

For full specifications and certifications for CPF50 charging stations, refer to the CPF50 Datasheet found online at: [chargepoint.com/guides](https://chargepoint.com/guides).

## Initial Site Guidelines

ChargePoint recommends the CPF50 charging station solution for fleet/depot installations and multi-family residential properties. A networked CPF50 charging station installation allows property managers to have complete control of the charging station policies, including who can use the stations and how much drivers pay to use the stations.

An onsite evaluation is needed to determine conduit and wiring requirements from the panel to the proposed parking spaces, construction and concrete requirements for mounting the charging stations, as well as to measure cellular signal levels for the Gateway (if required) and identify suitable locations for any necessary cellular signal booster equipment.

## Electrical Requirements

Review the CPF50 Datasheet at [chargepoint.com/guides](https://chargepoint.com/guides). Each Level 2 charging station requires:

- A dedicated single phase electrical circuit.
- A new dual pole breaker circuit breaker at the electrical panel.
- Conductor wiring sized in accordance with the National Electric Code requirement for 125% capacity for continuous load for all branch circuits from panel to stations via raceway or conduit.

The CPF50 delivers up to 50 A per charging station. Determine the amperage rating of the circuit to install based on the desired amperage to be delivered:

Circuit Rating	Charging Current
70 A	50 A
60 A	48 A
50 A	40 A

Circuit Rating	Charging Current
40 A	32 A
30 A	24 A
20 A	16 A

If power capacity is limited at a site or to reduce costs for electrical infrastructure, consider ChargePoint Power Management options for power sharing at the circuit level, panel level, transformer, or site level.

## Cellular Connectivity

The CPF50 charging station has its own cellular connection. Earlier models of CPF50 require that the ChargePoint Gateway is installed for cellular connection. In order to determine whether the CPF50 model has its own cellular connection, look for the label at the bottom of the station, which indicates the model name. A model name with CPF50-K will have a cellular modem, while a model name with CPF50 will require the ChargePoint Gateway for cellular connection. If the ChargePoint Gateway is required, each CPF50 must be installed within 45 m (150 ft) of the Gateway within line of sight.

A strong cellular connectivity is required to allow ChargePoint to communicate with the station. A connection is needed for station owners and operators to access these features:

- User authentication, access control, and billing
- Energy usage reporting
- Charging station utilization and charging session details for analytical reporting
- Automatic power management
- Real-time charging status to drivers using the ChargePoint mobile app or web portal
- Ability for drivers to use the ChargePoint mobile app and Tap to Charge, Apple Pay, or Android Pay on their smartphone to start and stop sessions
- Notifications to drivers when vehicle battery is full or stops charging
- Notifications to drivers regarding waitlist position
- Notifications to drivers prior to pricing increases for overstay of parking at EV spots
- Station fault alarms and remote diagnostic capability
- Over-the-air software upgrades for new station features or enhancements

If you have preexisting infrastructure or are using your own preferred electrical contractor to prepare your site, a Site Validation by a ChargePoint Operations and Maintenance (O&M) partner is required to certify compliance with electrical specification requirements, and to ensure everything was prepared to ChargePoint specifications.



**IMPORTANT:** Always check local codes or consult an engineer to ensure the site is prepared in compliance with all applicable regulations. Local authorities might not allow a unit to operate if it is not installed to code.

## Charging Station Placement



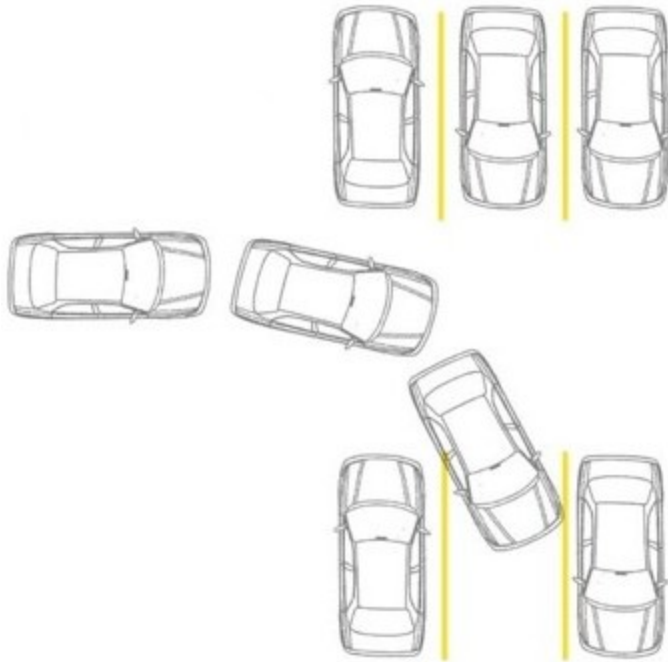
**WARNING:** The ChargePoint charging station must be installed on a level concrete base or a flat wall rated for the weight of the station. Asphalt cannot support the full weight of the station. Failure to install the station on a suitable surface may cause the station to tip over, resulting in death, personal injury, or property damage.

## Layout Considerations

- Identify station locations for EV charging spots.
- To help minimize costs, choose station locations that are as close as possible to the available electrical infrastructure.
- Determine raceway or conduit runs for electrical wiring from the electrical panel and consider a layout to minimize linear conduit costs to all proposed EV parking spaces.
- If possible, avoid or minimize trenching requirements, especially more costly trenching to run conduit under asphalt surfaces.
- Consider locations where it will be easy to add future stations.
- Identify suitable locations with smooth, plumb surfaces for wall mount stations or suitable floor surfaces for pedestal mount stations.
- Consider ADA compliance. The charging station must not block ramps or pathways, and cables should not extend across ramps or pathways when connected to a vehicle.
- Choose adjacent parking spaces in an area with adequate lighting.

- For stall parking, ChargePoint prefers using perpendicular parking stalls to better accommodate vehicles with front and rear charge ports.

**Note:** While ChargePoint tests charging stations with a majority of upcoming vehicles, ChargePoint cannot guarantee the port locations of future vehicles and cannot warrant the configurations proposed will work for all vehicles.



- Consider how easily drivers can find the stations they need to access.
- Use dual-port pedestal mount stations where possible in open areas for adjacent parking or adjoining parking spaces.
- Consider protective bollards and wheel blocks where appropriate, especially for open tandem parking spaces.

## Electrical Considerations

- Evaluate existing electrical infrastructure to determine if the existing utility service and electrical panel capacity is sufficient.
- Ensure the electrical wiring, overcurrent circuit protection, and metering (if required) is in place by reviewing the datasheet, as well as the wiring diagram and grounding requirements in this document.
- Ensure that you use 16 mm<sup>2</sup> (6 AWG) or 10 mm<sup>2</sup> (8 AWG) wire to the station. If you will be feeding the station with larger wire like 25 mm<sup>2</sup> (4 AWG), you will need to splice the wire for 16 mm<sup>2</sup> (6 AWG) or 10 mm<sup>2</sup> (8 AWG). For each charging station, only three wires are required: L1, L2, and Ground.

**Note:** Neutral must be bonded to Ground upstream at the transformer or panel for each separately derived system.

- Identify costs for any necessary upgrades and/or a new dedicated electrical panel. Size all conduit and electrical wiring in accordance with the National Electric Code requirements. ChargePoint recommends using a certified electrician to evaluate available capacity and identify any upgrades that may be required.
- If a dedicated EV electrical panel is required, choose a panel location in close proximity to the existing electrical supply.

## Power Management

Using ChargePoint Power Management technology, sites can install more stations than otherwise would be supported by the available electrical service. A maximum aggregate load is defined for a group of charging stations, and ChargePoint cloud-based services manage the individual power output of each station (or port) to ensure the maximum load is never exceeded.

As shipped, a CPF50 charging station provides up to 50 A of output current to each charging station.

For more information on ChargePoint Power Management considerations, see the [ChargePoint Power Management Reference Guide](#).

## Additional Considerations

- Determine appropriate mounting type: wall mount vs. pedestal mount.
- Use dual-port pedestal mount stations where possible in open areas for adjacent or tandem parking spots. Establish the quantity of each type of charging station in the initial order.
- Measure cellular signal levels using professional cellular test equipment to ensure adequate cellular coverage at the Gateway installation location, if required.
- To ensure adequate cellular signal strength in underground or enclosed parking structures, cellular repeaters may be required. Use an indoor antenna located near EV parking spaces and an outdoor antenna typically located at the garage entrance ceiling or on the rooftop where cellular signals are best.
- Determine cost budget options for electrical infrastructure to satisfy current needs and future needs. Prioritize charging stations locations based upon immediate and future needs, construction timelines, and costs.

## Plan for the Future

Keep in mind not only current EV charging needs, but future needs as EV adoption grows.

- Consider running raceway or conduit to all planned EV parking spots, but pulling electrical wiring from the panel to meet current needs.
- Consider installing a dedicated electrical panel for EV charging, then leverage ChargePoint Power Management to efficiently use available power at a site to support more EV charging ports than would otherwise be possible without power management.

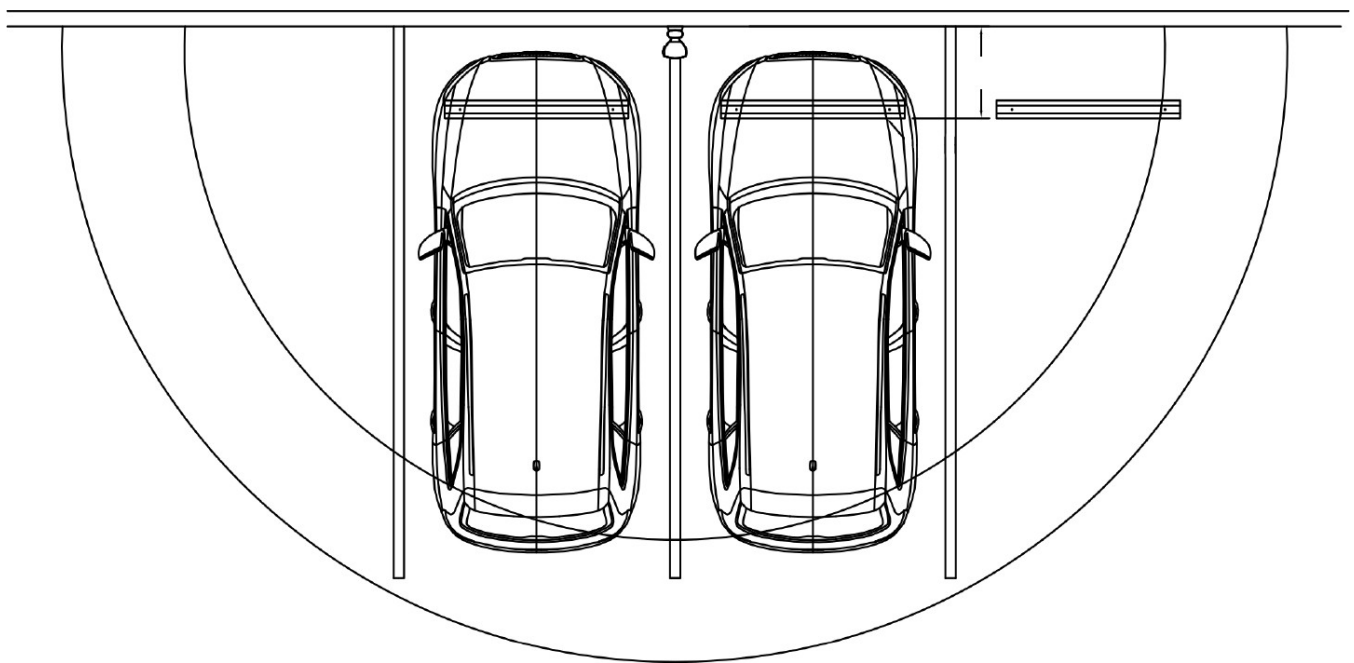
# Civil and Mechanical Design 3

Use the guidance below to design the civil and mechanical aspects of the site.

The station can be installed attached to a wall, or on a concrete pedestal. The pedestal can be a newly poured pad or an existing concrete surface.

## Wall Mount Stations

For wall mounted stations, the wall must be smooth, stable, and plumb. The minimum height of the wall must be 1250 mm (49 in). Place wheel stops (a) 900 mm (3ft) from the wall. The arc shows the usable reach of the two charging cable lengths available, 5.5 m (18 ft) (b) and 7 m (23 ft) (c).



**IMPORTANT:** Ensure the wall supports the station. If mounting to a hollow wall, bridge at least two studs using a 41 mm (1 5/8 in) channel strut.



**WARNING:** If not installed correctly, the ChargePoint charging station may pose a fall hazard, leading to death, personal injury, or property damage. Always use the provided Concrete Mounting Template shown preinstalled here, or a ChargePoint-approved surface mounting solution, to install the ChargePoint charging station. Always install in accordance with applicable codes and standards using licensed professionals. Non approved installation methods are performed at the risk of the contractor and void the Limited One-Year Parts Exchange Warranty.

## Pedestal Mount Stations

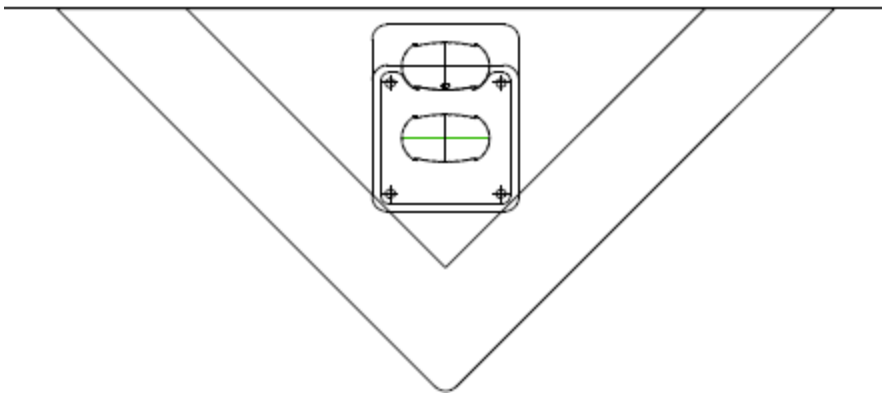
For newly poured pedestal mounted installations, the mounting surface must be smooth and cannot exceed a slope of 6 mm per 300 mm (0.25 in per ft). The concrete base must measure at least 600 mm (2 ft) on all sides. For installations in existing concrete, epoxy anchors can be used. Consult a civil engineer to ensure sufficient volume and strength of concrete.

There are three basic pedestal base designs:

- In front of a curb (a) 900 mm (3 ft) x 2 (b)

Area: 0.42 m<sup>2</sup> (4.5 ft<sup>2</sup>)

Volume: 0.26 m<sup>3</sup> (9 ft<sup>3</sup>)



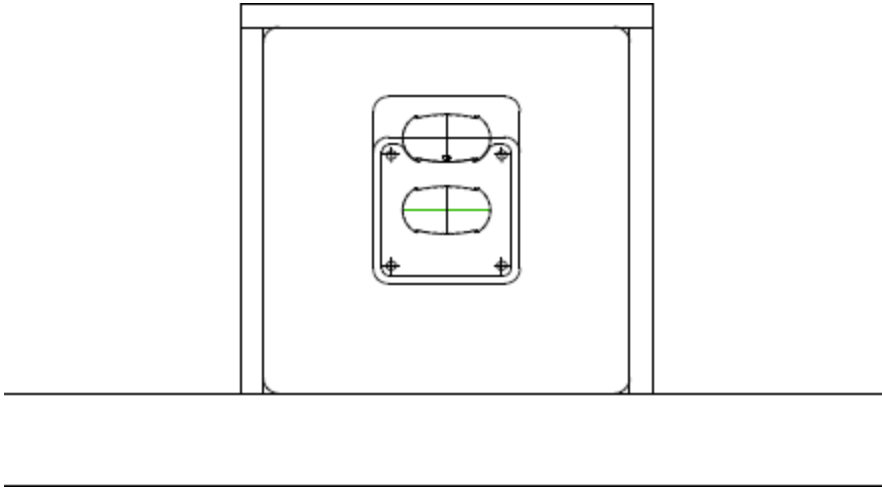


- Behind a curb (a) in a planter or berm 600 mm (2 ft) on each side

Area: 0.37 m<sup>2</sup> (4 ft<sup>2</sup>)

Volume: 0.23 m<sup>3</sup> (8 ft<sup>3</sup>)

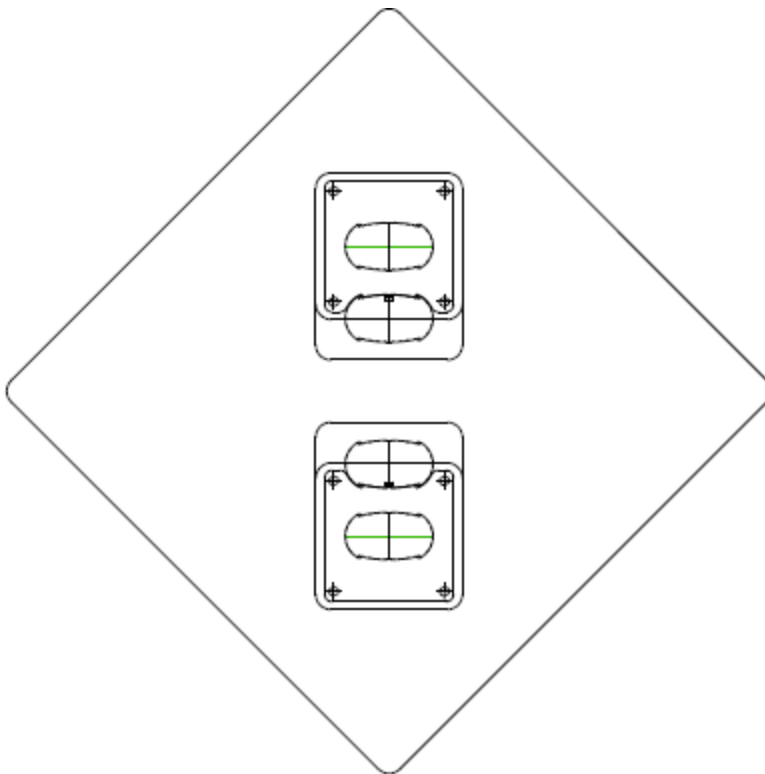
**Note:** Use a retaining wall as needed to prevent dirt from accumulating on the pad.



- Two stations back to back, centered between four spaces 900 mm (3 ft) on each side

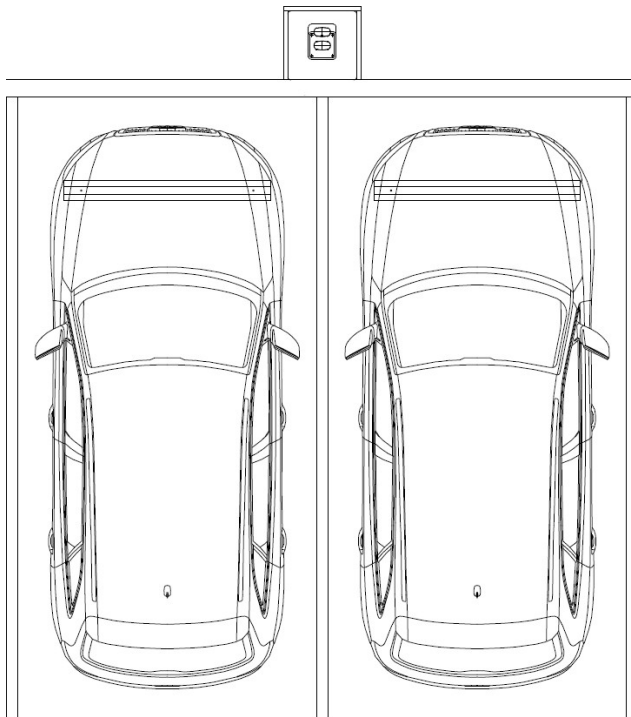
Area: 0.84 m<sup>2</sup> (9 ft<sup>2</sup>)

Volume: 0.51 m<sup>3</sup> (18 ft<sup>3</sup>)

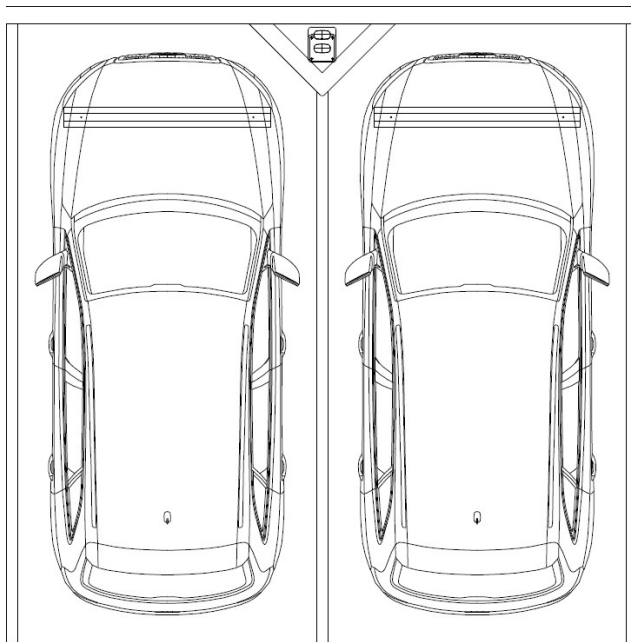


The pedestal base design can be configured in a variety of ways to serve different parking arrangements. Ensure a sufficient volume of concrete to provide anchoring for the charging station.

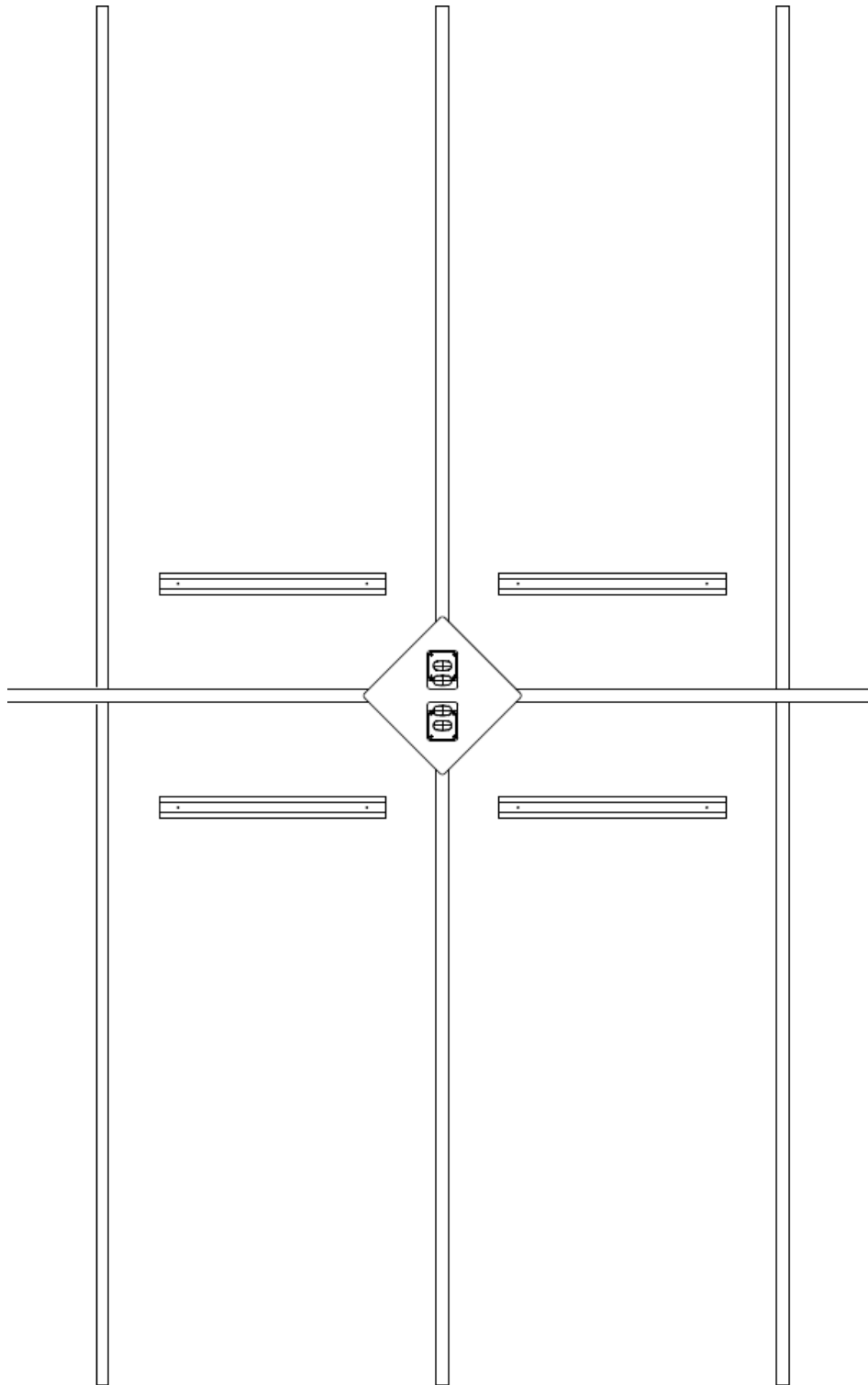
- Place the station behind the curb in a planter or berm between spaces with wheel stops 900 mm (3 ft) from the front of each stall.



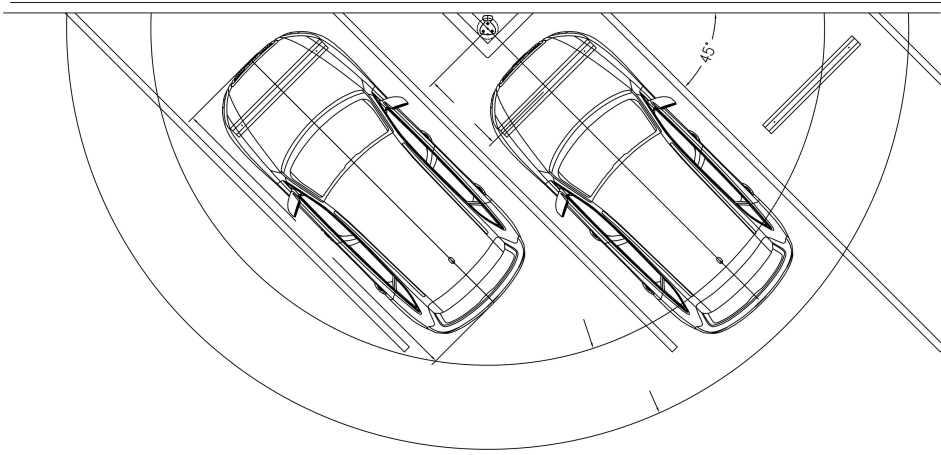
- Place the station in front of the curb between spaces with wheel stops 900 mm (3 ft) from the front of each stall. The base of the charging station can be flush with the parking spaces or at curb level.



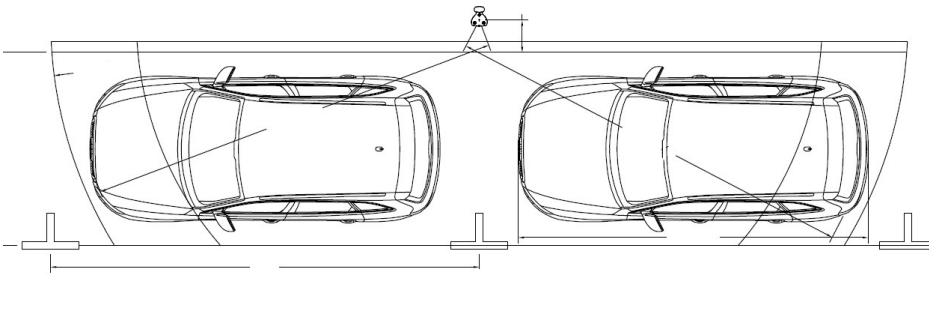
- Place two stations back to back centered on four spaces with wheel stops 900 mm (3 ft) from the front of each stall. The base of the charging station can be flush with the parking spaces or at curb level.



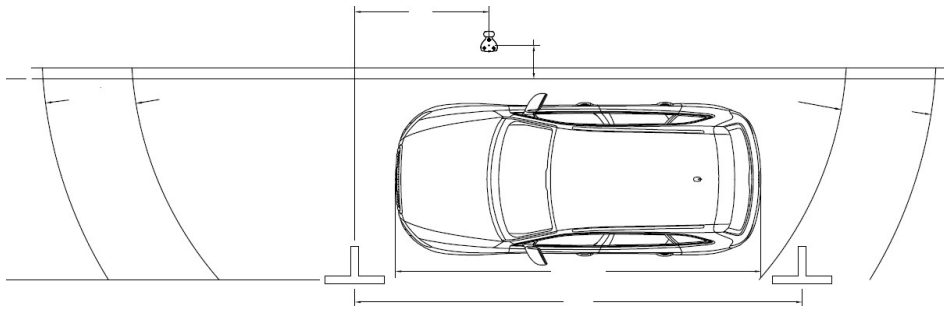
- Place a dual port station centered on the right space. The charging cables reach two vehicles. Place a wheel stop 1220 mm (48 in) from the center of the charging station. The arc shows the usable reach of the two charging cable lengths available: 5.5 m (18 ft) and 7 m (23 ft) (c). The 7m (23 ft) cord option is recommended for this configuration. The base of the charging station can be flush with the parking spaces or at curb level. Be sure to install EV Charging Station signage on both spaces.



- Place a dual port station centered between two parallel parking spaces (a), each 6 m (20 ft) long. Place the station  
(b) 450 mm (18 in) from the curb. A 7 m (23 ft) charging cable is recommended.



- Place a single port station for a single parallel parking space 6 m (20 ft) long. Place the station (a) 450 mm (18 in) from the curb, and 1.8 m (6 ft) from the front of the parking space (b).



Ensure any site slopes, walls, or fencing do not trap water around the charging station installation site. The system is only built to withstand water to the height of the conduit stub-up.



**WARNING:** Exposing the ChargePoint® charging station to water above the height of the conduit stub-up could create an electrocution, shock, or fire hazard. Cut power to the charging station if it has been exposed to standing water and contact ChargePoint before the charging station is powered on.

For pedestal installations, the conduit stub-up must be a minimum of 230 mm from any obstructions to the rear. This includes other charging stations. Check applicable codes for any additional clearance requirements.

## Accessibility

To meet the accessibility requirements, the CPF50 charging cables are no more than 1220 mm (48 in) above ground and no more than 254 mm (10 in) away.

This complies with American Disability Act (ADA) requirements, if the station is installed at grade. If your installation must comply with ADA standards, or the disability access regulations for other regions, consider this when designing the height of the pad or when planning a wall-mounted installation.

Also consider site design factors such as placement of bollards, wheel stops, or other vehicle obstacles when planning charging station access for disabled parking stalls. Check disability access regulations for guidance on the clearances needed for wheelchair access to charging cables and user interfaces.

# Electrical Design 4

The wall mount CPF50 installation uses surface mount wiring. The pedestal mount CPF50 installation requires service wiring installed underground. (If a pedestal mount installation requires surface run conduit, contact ChargePoint before beginning work to obtain an approved installation method.) Conduit and wire size are determined based on the length of runs from the electrical panel to the station location. Service wiring must be run through conduit to comply with local electrical codes. Consult national and local codes or a project engineer to determine the grade, quality, and size of the conduit or cable. The CPF50 Concrete Mount Kit accommodates service wiring through the flare, conduit, or locally appropriate wiring method.

**Note:** All wiring and conduit is supplied by the contractor unless otherwise indicated.

## Upstream Wiring

Charging stations are considered continuous load devices (EVs draw maximum load for long durations); therefore, electrical branch circuits must be sized at 125% of the load for North American installations, in accordance with National Electric Code (NEC) requirements. (For other regions, refer to local code.) This means that for a maximum 50 A load at 208/240 V output to an electric vehicle, 65 or 70 A breakers are required.

Wiring must be sized in accordance with NEC code for continuous load devices. Typically, 16 mm<sup>2</sup> or 10 mm<sup>2</sup> (6 AWG or 8 AWG) insulated electrical wire is used, depending upon the rating of the circuit and the distance between the electrical panel and the charging station. The terminal block accepts a maximum of 16 mm<sup>2</sup> (6 AWG).



**IMPORTANT:** The AC terminal blocks on the CPF50 accept a maximum size of 16 mm<sup>2</sup> (6 AWG) solid or stranded wires. If using a larger gauge wire to accommodate a long run, reduce the wire size at the disconnect.

When planning multiple EV charging stations, it is best practice to separate non-continuous from continuous loads, with all branch circuits for EV charging on a dedicated electrical panel assembly with adequate circuit breakers. When sizing new electrical panels dedicated for EV charging, all branch circuits must support continuous load, and the panel rating must be sized for at least 125% of the total load on each leg of a 3-phase panel.



**CAUTION:** The CPF50 charging station is tested to IEC 61000-4-5, Level 5 (6 kV @ 3000 A) standards. In geographic areas that experience frequent thunderstorms, appropriate supplemental surge protection is recommended to guard against product damage.



**IMPORTANT:** ChargePoint stations are UL 916 listed as Energy Management devices and are networked for real time communication to ensure they operate within the provisioned load allowance.

## Conduit

The outside diameter of conduit must not exceed the sizes called out in the conduit layout drawing: 45 mm (1.8 in). Conduit stub-ups must not extend higher than 660 mm (26 in) above grade.

For wall mounted stations, flex conduit must be used to bring the wire to the station.

## Wiring Requirements

For full product specifications, refer to the CPF50 Datasheet. Using that data, ensure that the installation location is equipped with service wiring that supports the CPF50's power requirements:

- AC conductors (L1, L2)
- Ground conductor

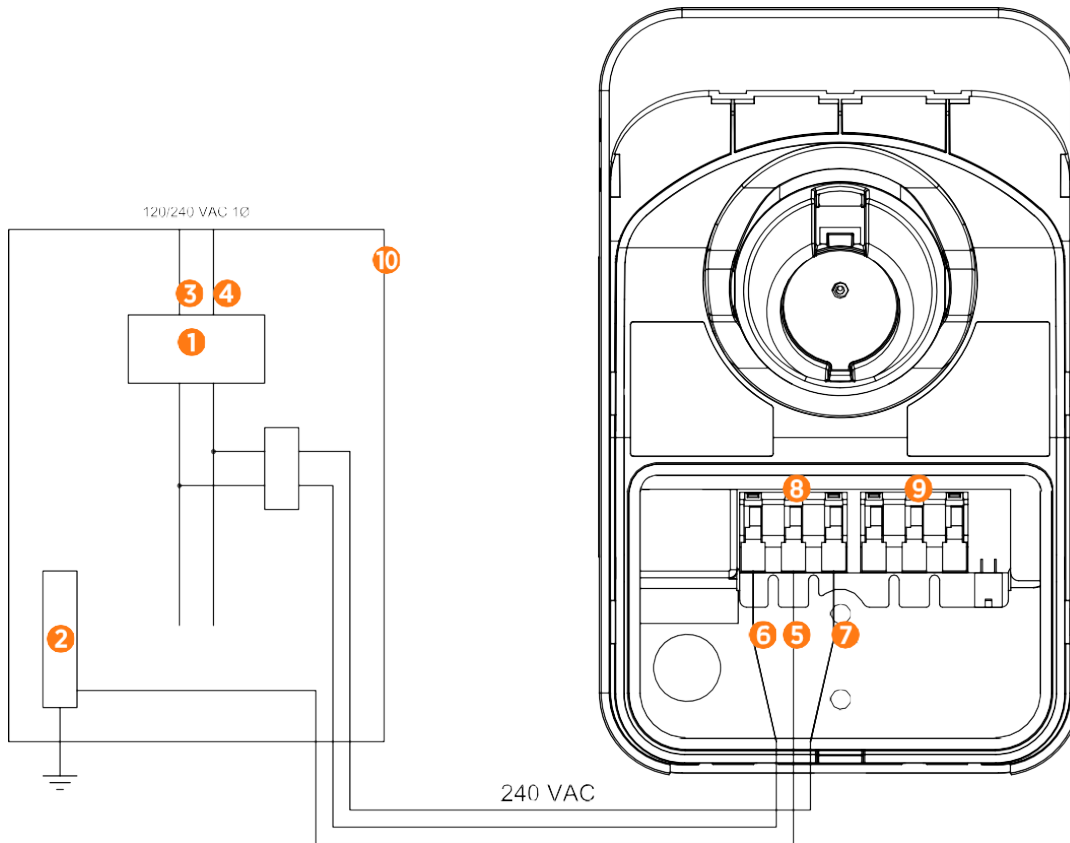
When pulling electrical wiring for CPF50 pedestal mount, ensure at least 1.5 m (5 ft) of wire remains above grade.

When pulling electrical for wall mounted stations, the conduit and wire must be brought to the location where the stations will be mounted. Flex conduit may be used to bring the wire to the station. Wiring is usually brought in via the bottom of the CPF50. The CPF50 has a 21 mm (3/4 in trade size) knock-out in the bottom and the rear of the charging station.



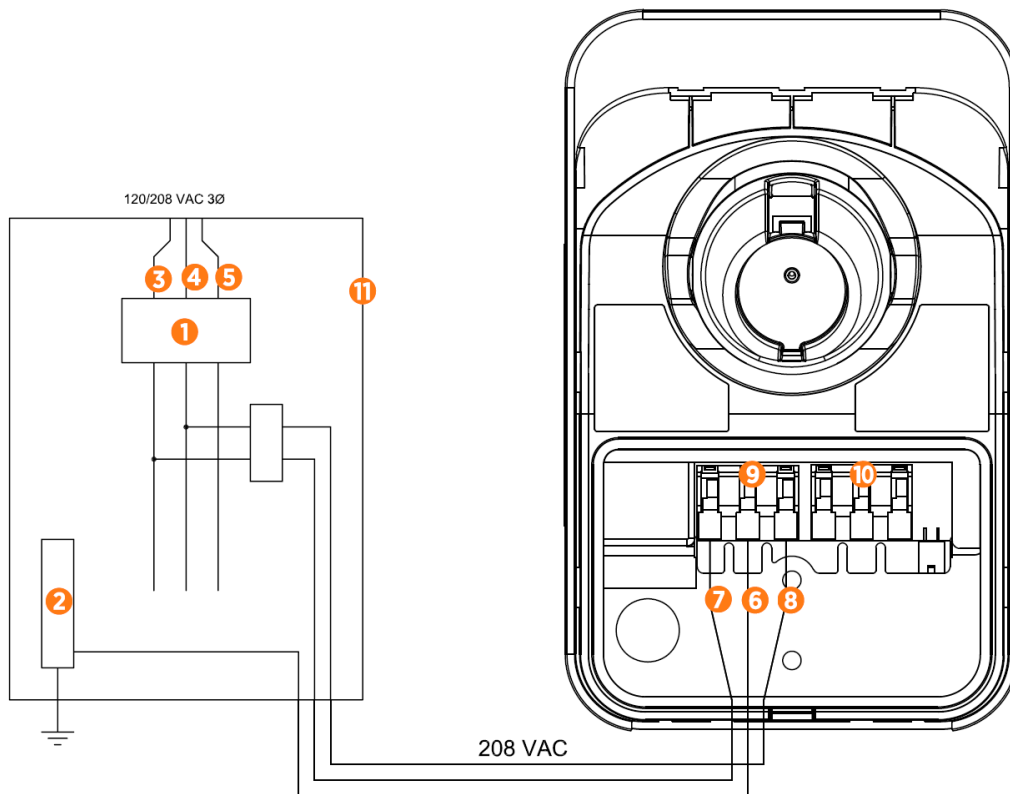
# Wiring Diagram

## 240 VAC Single Phase Panel



1. Main Breaker
2. Ground Bus
3. L1
4. L2
5. Ground
6. L1
7. L2
8. Input Terminal Block
9. Output Terminal Block
10. Local Service or Sub Panel

## 208 VAC Three Phase Panel



1. Main Breaker
2. Ground Bus
3. L1
4. L2
5. L3
6. Ground
7. L1
8. L2/N
9. Input Terminal Block
10. Output Terminal Block
11. Local Service or Sub Panel

## Grounding Requirements

The CPF50 must be connected to a grounded, metal, permanent wiring system. An equipment- grounding conductor must be run with circuit conductors and connected to an equipment- grounding terminal or lead on the CPF50.

A grounding conductor that complies with applicable codes must be grounded to earth at the service equipment or, when supplied by a separate system, at the supply transformer.

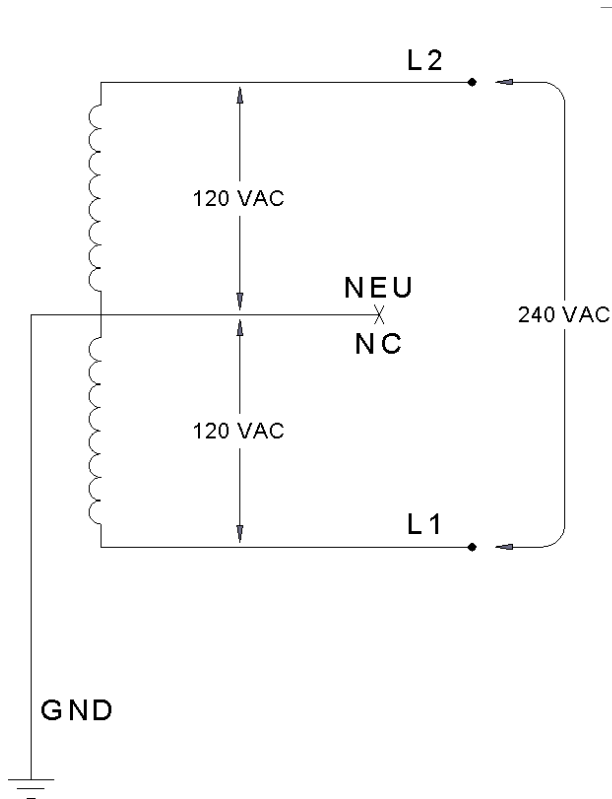
Ensure that a grounding conductor that complies with all applicable codes is properly grounded to earth at the service equipment or, when supplied by a separate system, at the supply transformer.

Neutral is not used to power the station but must be properly connected to ground, at the panel or transformer, to provide the necessary voltage reference relative to ground.

- In a Wye system, connect the station to any two lines, as shown.
- In a Delta system, connect the station to a center-tapped secondary only, where the center tap is bonded and the station is connected to the L1 and L3. This allows voltages to remain constant regardless of other loads that may be using the lines.

## Connect To These Systems

- 120/240 VAC, 10 Bonded Neutral Station is connected to L1 and L2 Neutral is not used

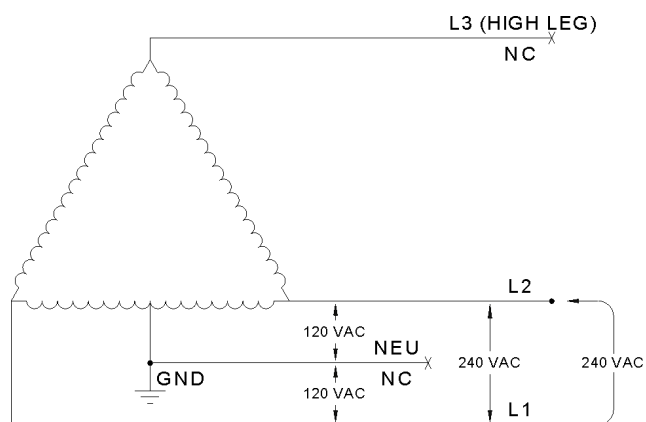


- 120/208 VAC, 30 Wye Bonded Neutral Station may be connected to any two lines Neutral is not used

- 120/240 VAC, 30 Delta Center tap grounded Bonded neutral

Station must be connected to L1 and L2 only Do not connect any part of the system to L3 Neutral is not used

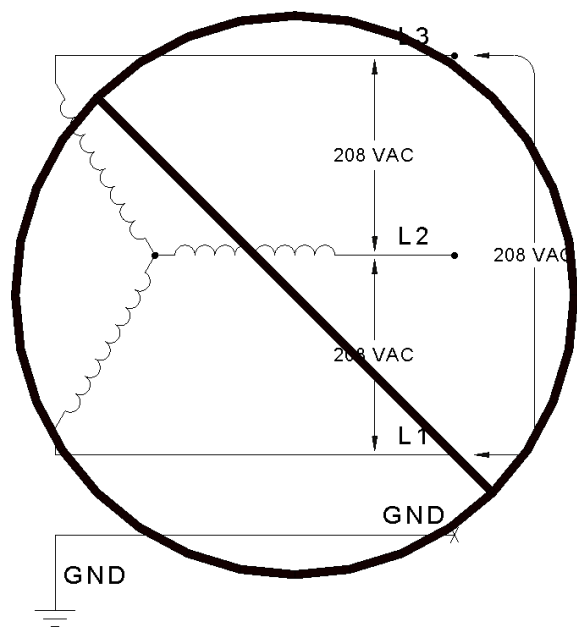
Not recommended for new construction



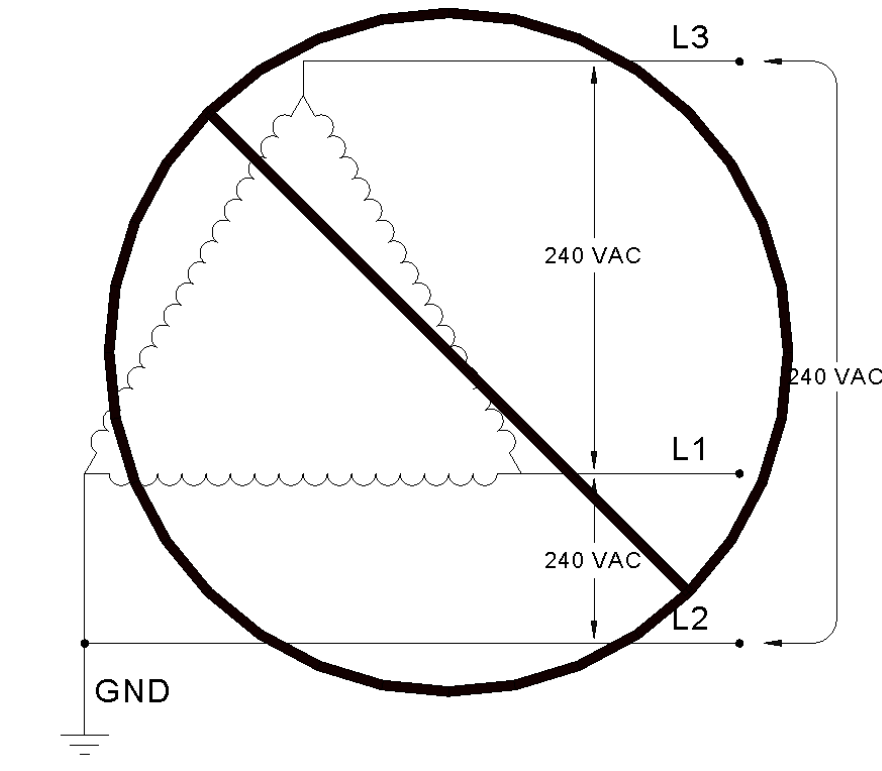
## Do Not Connect to These Systems

- 120/208 VAC 3 phase Wye, ungrounded Floating neutral

Voltage of either line to ground is undetermined Neutral is not grounded



- 120/240 VAC 3 phase Delta, corner-grounded Voltage of any line is not 120 V nominal relative to ground



- Any system where the center point of the AC power source is not grounded.

## Plan for the Gateway (if required)

The CPF50 charging station has its own cellular connection. Earlier models of CPF50 require that the ChargePoint Gateway is installed for cellular connection. In order to determine whether the CPF50 model has its own cellular connection, look for the label at the bottom of the station, which indicates the model name. A model name with CPF50-K will have a cellular modem, while a model name with CPF50 will require the ChargePoint Gateway for cellular connection. If the ChargePoint Gateway is required, each CPF50 must be installed within 45 m (150 ft) of the Gateway within line of sight.

The ChargePoint Gateway consists of a cellular modem for wide area networking and built-in WiFi for local communications to and from the CPF50 charging stations. The Gateway should be located where cellular signal levels are optimal for LTE. Each Gateway must be located within 150 feet line-of-sight to as many as nine (9) CPF50 charging stations. Each CPF50 charging station has built-in WiFi capability to communicate via the Gateway for ChargePoint network services.

The Gateway is a UL Class 2 device and requires less than four watts power (33 mA@120 V or 19 mA@208 V). ChargePoint recommends hardwire electrical termination to the power source for the Gateway.

The Gateway dimensions are 280 mm (11 in) wide by 340 mm (13 3/8 in) long by 137 mm (5 3/8 in) deep. The datasheet, installation guide, and mounting template are available at [chargepoint.com/guides](https://chargepoint.com/guides).

## Cellular Connectivity

A consistently strong cellular signal is needed before installers can activate the station. Do not rely on cell phone applications to measure cellular signals when conducting site surveys. Take cellular readings at the exact location of each proposed charging station location.

Ensure the Reference Signal Receive Power (RSRP) is -100dBm or better. (Note that these numbers are all negative, so -80 dBm is stronger than -100 dBm, and -120 dBm is weaker.) Use a cellular signal detection device (such as an Octopus™ or Snyder-LTE Graphyte™ (USA) by Siretta) to take signal strength readings at the exact proposed charging station location. If the test tool is capable of measuring the RSRQ value, ensure the value is higher than -10. (Again, where this is measured in negative numbers, so that -9 is higher than -10).

If the RSRP signal is below -100 dBm or the RSRQ value is below -10, take cellular readings at location where a cellular signal booster outdoor antenna will be installed to ensure enough signal exists to be boosted. Install repeaters to boost the strength of the cellular signals. Repeaters are often required when installing the charging station in an underground garage or enclosed parking structure. We recommend using a multi-carrier cellular repeater system. Here are some options for cellular signal boosters:

- WeBoost 4G-X for all carriers in North America, supports voice, 3G and 4G, max gain of 70 dB for up to 10,000 square feet of coverage area
- SureCall Fusion 5 for all carriers in North America, supports voice, 3G and 4G, average gain of 65 dB & max 72 db for up to 6,000 square feet of coverage area
- SureCall Force 5 for all carriers in North America for up to 20,000 square feet of coverage inside parking structure

Consult an expert in the cellular repeater industry for additional guidance. ChargePoint O&M partners can validate acceptable cellular signal strength at the site using a cellular strength reader.

# CPF50 Pedestal Mount 5

## Concrete Preparation

The CPF50's pedestal mount can be installed either:

- Into the ground by casting into new concrete
- Onto an existing concrete surface
- Onto a stacked parking platform



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**WARNING:**

Do not use expanding anchor bolts.  
Do not install the CPF50 on an asphalt surface.

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The required kit components, required tools, and installation steps vary depending on the type of installation. This section provides basic guidelines for all approved installation types.

## Installation Overview

To install the CPF50 pedestal mount into the ground, you need the components shown below.

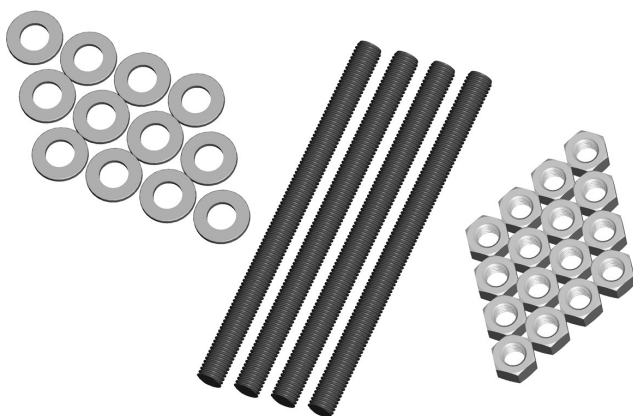
- 5/8" - 11 X 9" grade 55 bolts (4)
- 5/8" - 11 hex nuts (16)
- 5/8" washers (12)
- Bolt Pattern Template 75-001163-01



- Mount Placement Guide 75-001162-01

These components be purchased from ChargePoint by ordering a CPF50 Pedestal Mount Kit.

When installing onto an existing concrete surface, you only need 8 galvanized hex nuts and 8 galvanized washers. Additionally, required consumables are described below.



## Installation on New Concrete

Before casting new concrete, review the site for suitability to install a CPF50. The CPF50 requires space behind the conduit stub-up for the Cable Management Kit (CMK), if applicable. To ensure adequate clearance, refer to the illustrations below and to the CPF50 Installation Template (75- 001163-01) and the Mount Placement Guide (75-001162-01) included in the Concrete Mount Kit.

**Note:** If the original copy of the installation template is lost, a new one can be printed at:

<https://chargepoint.box.com/v/cpf-bpt-en-fr-es>. Ensure the PDF version of the mounting template is accurate by printing at 100% scale on 11x17 paper and verifying at least one dimension.



**IMPORTANT:** Always check local codes to ensure compliance. You may need to adjust these instructions to comply with codes that apply at your installation location.

- The concrete block must measure at least 500 mm (20 in) on all sides.
- The bolt threads must extend 60 mm (2.5 in) above the concrete.
- The conduit must not exceed a maximum of 45 mm (1.8 in) in diameter and extend 660 mm (26 in) above the concrete.
- The service wiring must extend 1.5 m (5 ft) above the concrete surface.
- Refer to [Section 4](#) of the CPF50 Installation Guide for detailed instructions on how to install the pedestal mount.

## Preparation

1. Dig a hole with the minimum measurements of 600 mm (2 ft) x 600 mm (2 ft) x 600 mm (2 ft).



**IMPORTANT:** The concrete block you create must be at least 600 mm on all sides.

2. Ensure that electrical cable and conduit has been installed in the correct location and that the appropriate circuit protection and metering is in place, following all local codes and regulations.
3. Ensure that enough power cable (approximately 1.8 m (3 ft)) is above the planned ground level to create a service loop. It can be trimmed back during installation as needed.
4. Create a base for the concrete as required by local codes and regulations.
5. Create a wooden version of the template.
6. Build a temporary frame to support the wooden template over the hole.
7. Before pouring the concrete pad, make sure that all pedestal mounting components are readily available at the installation site.
8. Install two nuts, with two washers captured between them, onto each of the three bolts, as illustrated. Lock them together so the lower end of the upper nut is located 165 mm from the bottom of the bolt. This sets the length of the exposed threads.



9. Insert the four bolts through the wooden template. This ensures the relative position of the bolts, and ensures that the flange of the pedestal fits over the bolts.



10. On the bottom end of each bolt, install a nut, a washer, and a nut. Lock the two nuts together so that the lower nut aligns to the bottom of the bolt. This provides retention for the bolt in the concrete.

## Installation Instructions

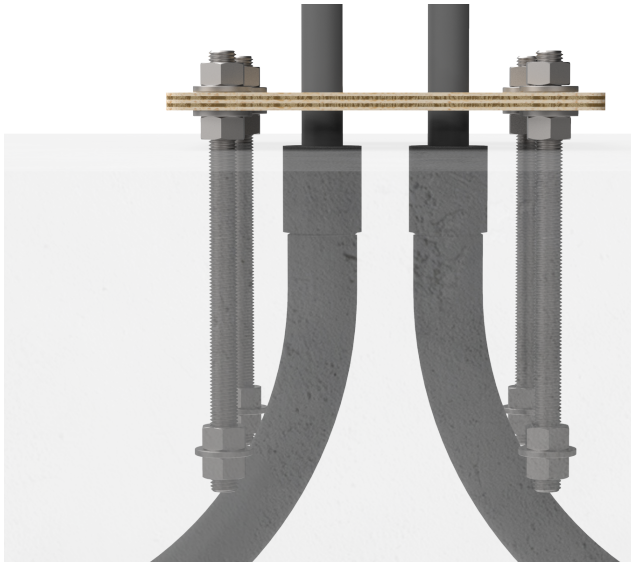
1. Pour the concrete into the hole you prepared.
2. Immediately after pouring the concrete, push the bolts into the concrete 165 mm (6.5 in) deep. You may need to slightly loosen the hexagon nuts to rotate the mounting bolts. Ensure correct alignment and that the top 60 mm (2.3 in) of the bolts remain exposed.



**IMPORTANT:** Rotate the bolts as you insert them. This allows the concrete to fully coat the threads of the bolts, reducing the amount of trapped air.

3. Retighten the hexagon nuts to the template.

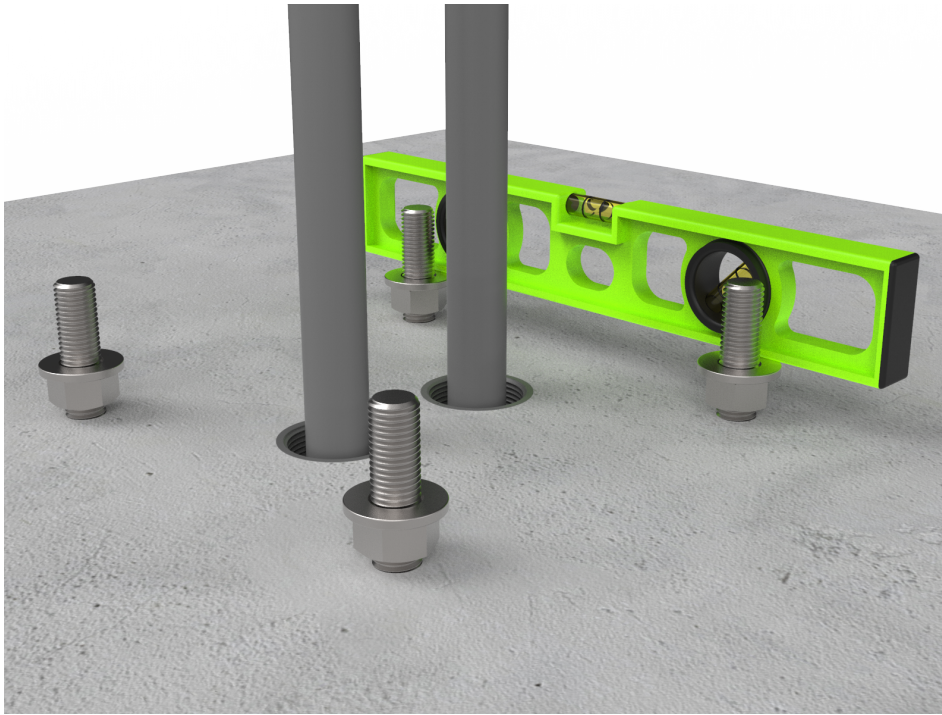
4. Remove any boards or shims supporting the mounting template. Leave the mounting template in place until the concrete is fully cured.



## Complete After Concrete Cures

1. When the concrete is fully cured, remove the upper nut and the washer.
2. Adjust the remaining nuts and washers until about 35 mm (1.4 in) of bolt is exposed above each washer.

3. Use a spirit level and adjust the height of the nuts as required to ensure the four washers are completely level with each other.



4. When the concrete is fully set, remove the upper nuts and the washers to install the pedestal's mounting post.

You are now ready to install the CPF50 pedestal mount charging station.

## Installing on Existing Concrete

If installing on existing concrete, review the site for suitability to install a CPF50. The CPF50 requires space behind the power stub-up for the pedestal and (optional) CMK. To ensure adequate space, refer to the CPF50 Installation Template included in the Concrete Mounting kit.



**IMPORTANT:** Always check local codes to ensure compliance. You may need to adjust these instructions to comply with codes that apply at your installation location.

- Review the dimensions of the existing concrete slab. To safely mount a CPF50 charging station, the concrete must be at least 200 mm (8 in) thick. At this thickness, all CPF50 mounting bolts must be positioned at least 380 mm (15 in) from the front edge, at least 305 mm (12 in) from the side edges, and at least 150 mm (6 in) from the rear edge of the concrete slab.
- If an existing charging station is already in place at the installation site, turn off all power to the station and disassemble according to the original manufacturer's instructions. Cut away any existing bolts or non-power conduit stub-ups to ground level. Seal cut-away conduits at the slab end, and disconnect wiring at the other end.

- Ensure you have adequate wiring. Service wiring for the CPF50 must extend 1.5 m (5 ft) above the platform's surface.
- ChargePoint recommends creating a rigid template based on the paper template to position the bolts.

## Tools and Consumables Required

Electric drill or hammer drill (12 mm/ 1/2 in chuck may be required depending on drill bits used)

Quantity	Description	Purpose
1	Epoxy adhesive for concrete such as Hilti RE-500.	Fill drilled holes and secure anchor bolts.
1	Electrical cleaning and maintenance aerosol, any angle spray duster, 235 ml (8 oz), such as McMaster #7437K35	Clean drilled holes. <b>Note:</b> Compressed air will work.
1	Slow spiral round-shank masonry drill bit, 25 mm (1 in) diameter, 12.5 mm (1/2 in) shank, 254 mm (10 in) drill depth, 305 mm (12 in) length overall, such as McMaster #2960A22	Drill 25 mm (1 in) holes in concrete. <b>Note:</b> The holes must be at least 150 mm (6 in) deep.
1	Drill bit for concrete embedded rebar, round 25 mm (1 in) bit size, 12.5 mm (1/2 in) shank diameter, 305 mm (12 in) length overall, such as McMaster #28655A25	Drill 25 mm (1 in) hole through rebar.
1	Nylon loop handle brush, 25 mm (1 in) brush diameter, 76 mm (3 in) length brush, 216 mm (8-1/2 in) length overall, such as McMaster #7221T13	Clean drilled holes.
1	Push-on round cap, fits 16 mm (5/8 in) - 17.5 mm (11/16 in) OD, 1/2 in inside height, pack of 100, such as McMaster #9753K47	Keeps the epoxy inside the drilled holes in situations where the slab is only 150 mm (6 in) deep.

## Installation Instructions

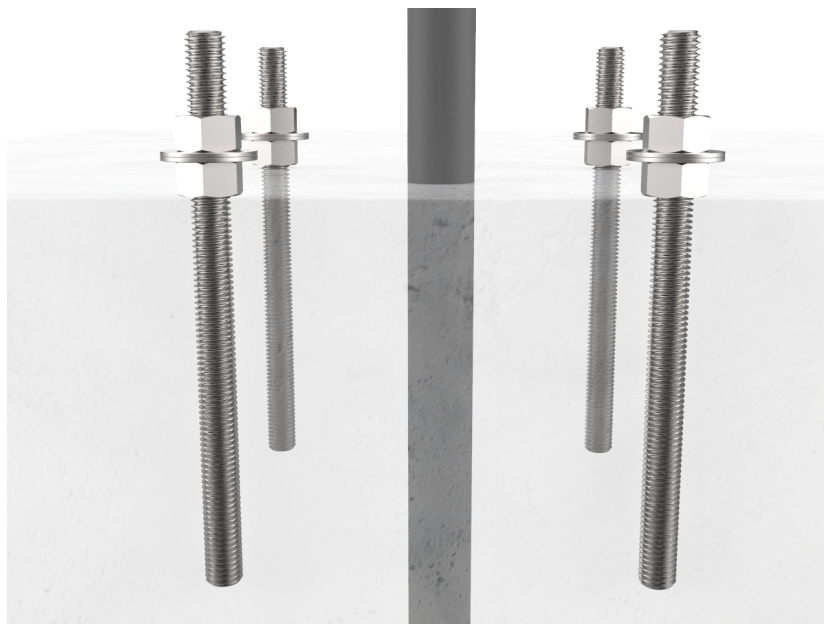
1. Install two nuts with two washers captured between them. Lock them together so the lower end of the nut is located 165 mm (6.5 in) from the bottom of the bolt. This sets the length of the exposed threads.



2. Use the Installation Template to mark the hole locations.
3. Remove the template and drill four 25 mm (1 in) diameter holes 165 mm (6.5 in) deep into the concrete. When locating the template, consider the station's total footprint. For reference, a template is included in the Concrete Mounting kit.
  - Bolts must be parallel after installation. Therefore, ensure drill holes are plumb by using a bubble level to check the angle of the drill after drilling 25-38 mm (1 - 1.5 in).
  - If installing over existing buried conduit, position the center of the template around the conduit stub-up.



- You may need two drill bits - one for the concrete (with the pilot) and another for the rebar (without the pilot). Always start the hole using the standard drill bit, then switch to the rebar drill bit only if drilling through rebar.



4. Remove all dust from inside the drilled holes using compressed air, a vacuum, and/or a brush.
5. If the concrete slab is only 165 mm (6.5 in) deep, insert a plug in each hole to keep the epoxy in place until it hardens. Place the plug over the long end of a bolt and use the bolt to push the plug to the bottom of the hole.
6. Fill each hole with epoxy to about 64-76 mm (2.5-3 in) below the top. Continue immediately to the next step because the epoxy sets within about eight minutes.
7. Inserting the threaded bolts displaces the epoxy, causing it to fill the holes to grade level. If the epoxy is below grade level, you can add more after the next step.
8. Place the Installation Template over the holes. This ensures the relative position of the bolts and that the flange of the pedestal fits over the bolts.
9. If needed, top up the holes with epoxy to grade level.



**IMPORTANT:** Rotate the bolts as you insert them. This allows the epoxy to fully coat the threads of the bolts, reducing the amount of trapped air.

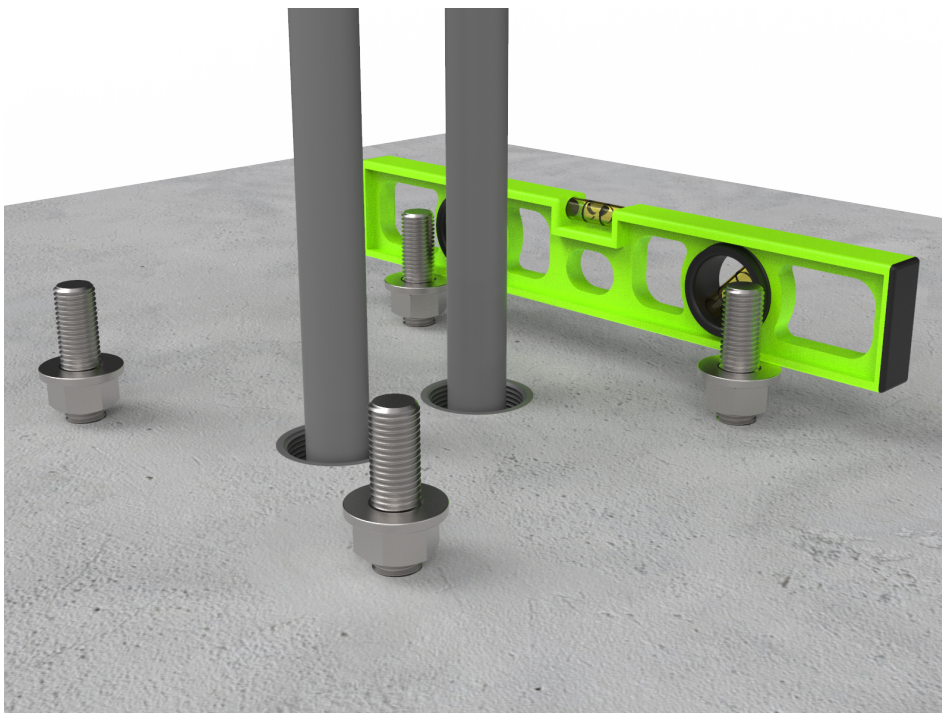
10. Allow the epoxy to cure according to manufacturer's instructions before removing the top nuts and washer and before applying torque to the nuts.

**Note:** Epoxy cure times may vary depending on the type of epoxy. Refer to the cure times provided with the epoxy.



## Complete After Concrete Cures

1. When the concrete is fully cured, remove the upper nut and the washer.
2. Adjust the remaining nuts and washers until about 35 mm (1.4 in) of bolt is exposed above each washer.
3. Use a spirit level and adjust the height of the nuts as required to ensure the four washers are completely level with each other.



4. When the concrete is fully set, remove the upper nuts and the washers to install the pedestal's mounting post.

You are now ready to install the CPF50 pedestal mount.

## Installing onto a Stacked Parking Platform

Before installing the CPF50 onto a stacked parking platform, ensure that the site is suitable. Every stacked parking platform is different. Therefore, instead of step-by-step instructions, ChargePoint provides the following guidelines:

- The CPF50's requires at least 70 mm (2 3/4 in) between the rear edge of the mounting plate and the wall to allow adequate clearance for the CMK. Refer to the CPF50 Mount Placement Guide (75-001162-01) for details.
- Before installing on the stacked parking platform, make sure that all pedestal mount components are readily available at the installation site.
- Always check local codes to ensure compliance.

- Ensure you have adequate wiring. Service wiring for the CPF50 must extend 1.5 m (5 ft) above the platform's surface, like any other type of CPF50 installation.
- Refer to [Section 4](#) of the Installation Guide for detailed instructions on how to install the pedestal mount. For stacked parking installations, it is acceptable to use a service cord (i.e. jacketed cable) without conduit inside the ChargePoint pedestal, provided the wiring is protected with appropriate bushings as it enters the pedestal.
- Ensure the pedestal is stable and does not move when the station is in use or when the platform is in motion.

## Limited Warranty Information and Disclaimer

The Limited Warranty you received with your charging station is subject to certain exceptions and exclusions. For example, your use of, installation of, or modification to, the ChargePoint® charging station in a manner in which the ChargePoint® charging station is not intended to be used or modified will void the limited warranty. You should review your limited warranty and become familiar with the terms thereof. Other than any such limited warranty, the ChargePoint products are provided "AS IS," and ChargePoint, Inc. and its distributors expressly disclaim all implied warranties, including any warranty of design, merchantability, fitness for a particular purposes and non-infringement, to the maximum extent permitted by law.

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## FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instruction manual, may cause harmful interference with radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case, you will be required to correct the interference at your own expense.

Important: Changes or modifications to this product not authorized by ChargePoint, Inc., could affect the EMC compliance and revoke your authority to operate this product.

Exposure to Radio Frequency Energy: The radiated power output of the 802.11 b/g/n radio and cellular modem (optional) in this device is below the FCC radio frequency exposure limits for uncontrolled equipment. The antenna of this product, used under normal conditions, is at least 20 cm away from the body of the user. This device must not be co-located or operated with any other antenna or transmitter by the manufacturer, subject to the conditions of the FCC Grant.

## ISED (formerly Industry Canada)

This device complies with the licence-exempt RSS standard(s) of Innovation, Science and Economic Development Canada (ISED). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux flux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada (ISDE). L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter.

Radiation Exposure Statement: This equipment complies with the IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Énoncé d'exposition aux rayonnements: Cet équipement est conforme aux limites d'exposition aux rayonnements ioniques RSS-102 Pour un environnement incontrôlé. Cet équipement doit être installé et utilisé avec un Distance minimale de 20 cm entre le radiateur et votre corps.

## FCC/IC Compliance Labels

Visit [chargepoint.com/labels](https://chargepoint.com/labels)



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75-001383-01 r4

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## Timestamp

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Witness Events	Signature	Timestamp
Notary Events	Signature	Timestamp
Envelope Summary Events	Status	Timestamps
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Certified Delivered	Security Checked	7/24/2025 12:58:37 PM
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- You can print on paper this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
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