



**Department of Finance**

Bureau of Purchase & Supplies

148 Martine Ave., Room 713

White Plains, N.Y. 10601

(914) 231-1872

[www.westchestercountyny.gov](http://www.westchestercountyny.gov)

**CONTRACT AWARD NOTIFICATION**

<b>Title</b>	Electric Vehicle Charging Stations
<b>Contract Number</b>	5961BPS
<b>Contract Period</b>	March 1, 2025 to February 28, 2030
<b>Date of Issue</b>	February 21, 2025
<b>County Consumer(s)</b>	Public Works, Participating Municipalities

The County of Westchester has awarded a five-year contract for Electric Vehicle Charging Stations to the following vendor and with the following terms:

<b>741079</b>	<a href="mailto:kwillard@infassociates.com">kwillard@infassociates.com</a>
<b>INF Associates, LLC</b>	360-334-2607
747 Third Avenue	Terms: Net 30
New York, NY 10001	FOB: Destination
Attn: Kristopher Willard	Delivery: 30 day

Pricing and specifications appear on the attached pages.

County departments and participating municipalities should direct questions to:

**Marty O'Sullivan, Buyer**  
[maoc@westchestercountyny.gov](mailto:maoc@westchestercountyny.gov)  
Phone: 914-231-1315  
Fax: 914-231-1546



### **Specifications and Pricing**

<b>ChargePoint CP6011B-50A-L5.5</b> Single Port Pedestal Mount w/ 18' Cords	<b>\$3,936.00</b>
<b>ChargePoint CP6021B-50A-L5.5</b> Dual Port Pedestal Mount w/ 18' Cords	<b>\$5,440.00</b>
<b>ChargePoint CP6013B-50A-L5.5</b> Single Port Wall Mount w/ 18' Cords	<b>\$3,936.00</b>
<b>ChargePoint CP6023B-50A-L5.5</b> Dual Port Wall Mount w/ 18' Cords	<b>\$5,440.00</b>
<b>ChargePoint CP6K-CMT-NA</b> Bollard Concrete Mounting Kit	<b>\$112.50</b>
<b>ChargePoint CPCLD-COMMERCIAL-n5</b> Fleet Commercial 5-year cloud services subscription (per port)	<b>\$902.00</b>
<b>ChargePoint CPCLD-ASSURE-n5</b> Assure 5-Year extended warranty service and support	<b>\$1,496.00</b>
<b>ChargePoint CPSUPPORT-ACTIVE</b> Station Activation and Configuration	<b>\$150.00</b>
<b>INF INF-PREV5</b> INF 5-year Preventative Maintenance Level II	<b>\$250.00</b>

Any other accessories, services, or other associated costs not explicitly identified in this pricelist will be sold at the following discounts from MSP catalog pricing:

• <b>Hardware:</b>	36%
• <b>Software:</b>	45%
• <b>Assure Maintenance:</b>	12%
• <b>INF Preventative Maintenance:</b>	80%
• <b>Activation Services:</b>	39%

## **ChargePoint 6000 Series**

### *General specifications*

**Type:** Level 2 AC Charging Station

**Assembly:** Stations include full assembly with all necessary parts provided.

**Charging connectors:** SAE J1772

**Charging cable:** 18 feet length with integrated cable management and locking holster

**Mounting options:** Stations are wall-mounted or pedestal-mounted.

**Measurements:** Approximately 71”h x 11”w x 18”d

**Weight:** 150 lbs. (wall mount); 170 lbs. (pedestal mount)

**Enclosure rating:** Type 3R per UL 50E

**Temperature range:** Certified to operate at temperatures ranging from -40 °F to 122 °F

**Operating humidity:** Up to 85% @ 122°F, non-condensing.

**Maintenance:** Units have a modular design with field-swappable major components. Chargers are configurable to adapt to changing power needs and installation requirements, with automatic software updates.

### *Safety, compliance, and certifications*

**Ground fault detection:** 20 mA CCID with auto retry

**Open safety ground detection:** Continuously monitors the presence of safety (green wire) ground connection

**Plug-out detection:** Power terminated per SAE J1772TM specifications

**Station surge protection:** 6 kV @ 3,000A

**Certifications:** NYSERDA, Energy Star

**Compliant with:**

- ISO 15118 Part 2 and Part 20
- OCPP 2.0.1
- UL and cUL Listed: Complies with UL 2594, UL 2231-1, UL 2231-2, and NEC Article 625
- CTEP/NEP
- EMC Compliance: FCC Part 15 Class B

### *Energy and power management*

**Configurable power output:** Station owners can adjust the maximum power delivery of each charging station.

**Shared circuit power management:** Enables multiple charging stations to share power from a single circuit, intelligently distributing available power to maximize charging efficiency without exceeding electrical limits.

**Energy measurement:**

- Meter accuracy 1%
- Accuracy class 2.0
- Acceptance tolerance 1.0%

**Power report/store interval:** 15-minute interval aligned to the hour, responsive to load management signals

*Network communication and connectivity*

**Charging station gateway connects through:**

- 4G LTE with GSM Backup for wide-area network (WAN) communication
- Ethernet/LAN for local area network (LAN) communication via a building's internet connection
- Wi-Fi on both 2.4 GHz and 5 GHz frequencies (802.11 a/n/b/g standards)
- Hybrid Connectivity combining cellular and Ethernet/LAN options

**Network communication protocol:** Stations are compatible with OCPP 2.0.1 for integration with network management systems.

**Authentication methods:** RFID, tap to charge (NFC), remote via mobile app or in vehicle

**Card reader:** Credit cards including contactless, RFID (ISO 15693, ISO 14443, NEMA EVSE 1.2-2015), NFC (Tap to Charge), mobile payments (e.g., Apple Pay).

**Display:** Full color 8-inch interactive display with full motion video, UV protection, gesture touch controls, and multi-language support. Station also includes Multi-color status LED charging status indicators and holster lighting.

*Electrical input / output*

**50A single port, pedestal AND wall mount - Standard**

- AC voltage: 208 / 240V AC
- Input current: 50A
- Input power connection: One (1) 70A branch circuit
- Required service panel breaker: 70A dual pole (non- GFCI)
- Wiring – Standard: 3-wire (L1, L2, Earth) No neutral
- Output: 12.0 kW (240V AC @ 50A)

**50A single port, pedestal AND wall mount - Power Select**

- AC voltage: 208 / 240V AC

- Input current: 16A - 48A
- Input power connection: One branch circuit rated 125% of input current (20A - 60A)
- Required service panel breaker: Dual pole (non- GFCI); rated 125% of input current (20A- 60A)
- Wiring – Standard: 3-wire (L1, L2, Earth) No neutral
- Output: 3.8 kW - 11.5 kW (240V AC @ 16A - 48A)

**50A dual port, pedestal AND wall mount - Standard**

- Input Current: 50A x2
- Input Power Connection: Two (2) independent 70A branch circuits
- Required Service Panel Breaker: 70A dual pole (non- GFCI) x 2
- Wiring – Standard: 5-wire (L1, L1, L2, L2, Earth)
- Wiring – Power Share: 3-wire (L1, L2, Earth)
- Output: 12.0 kW (240V AC @ 50A)

**50A dual port, pedestal AND wall mount - Power Share**

- Input Current: 80A
- Input Power Connection: One 70A branch circuit
- Required Service Panel Breaker: 70A dual pole (non GFCI)
- Wiring – Standard: 5-wire (L1, L1, L2, L2, Earth)
- Wiring – Power Share: 3-wire (L1, L2, Earth)
- Output: 12.0 kW (240V AC @ 50A) x 1; or 6.0 kW (240V AC @ 25A) x 2

**50A dual port, pedestal AND wall mount - Power Select**

- Input Current: 16A - 48A x 2
- Input Power Connection: Two independent branch circuits rated 125% of input current (20A - 60A)
- Required Service Panel Breaker: Dual pole (non- GFCI); rated 125% of input current (20A - 60A) x 2
- Wiring – Standard: 5-wire (L1, L1, L2, L2, Earth)
- Wiring – Power Share: 3-wire (L1, L2, Earth)
- Output: 3.8 kW - 11.5 kW (240V AC @ 16A - 48A) x 2

**50A dual port, pedestal and wall mount - Power Select/Power Share**

- Input Current: 16A - 48A
- Input Power Connection: One branch circuit rated 125% of input current (20A - 60A)

- Required Service Panel Breaker: Dual pole (non- GFCI); rated 125% of input current (20A - 60A)
- Wiring – Standard: 5-wire (L1, L1, L2, L2, Earth)
- Wiring – Power Share: 3-wire (L1, L2, Earth)

**All 50A models**

- Service Panel/Breaker GFCI: Do not provide external GFCI as it may conflict with internal GFCI (CCID)
- Station Power: 8 W typical (standby), 15 W maximum (operation)
- Line to Ground Voltage: 120V +/- 10%

**ChargePoint Bollard Concrete Mounting Kit**

**Three (3):** 5/8 – 11 x 9, F1554 Grade 55 hot-dipped galvanized threaded bolts

**Twelve (12):** 5/8 – heavy galvanized hex nuts (DH rated)

**Nine (9):** galvanized washers (ASTM F436)

**One (1):** Plastic template

## **ChargePoint Fleet Commercial**

### *Connectivity and Support Services*

**Network connection:** Enables 24/7 remote monitoring and status of stations

**API access:** Integrates with in-house and third party building and energy management systems.

**County portal:** Provides a cloud-based web portal for monitoring station utilization and uptime. ChargePoint will work with Westchester County to configure the portal and train stakeholders on dashboard features, reporting tools, and administrative controls.

The portal must:

- a) **Administrative controls:** The portal allows County administrators to manage user access, implement payment services, and analyze charging session activity in real time.
- b) **Reporting module:** Generates detailed transaction reports, including station ID, session identifier, energy transferred, connection time, user account, RFID card details, and other relevant data points.
- c) **Dashboard overview:** Displays network-wide station status, including real-time charger availability and maintenance alerts. Administrators can adjust station settings, access reports, and configure notifications.

**Driver Mobile App:** Provides drivers with real-time station availability, remote session initiation, usage history, station images, and FAQs.

**Driver Portal:** A web-based companion platform allowing drivers to manage accounts, join waitlists, and locate available stations.

**24/7 Driver Support:** Provides full support to EV drivers over the phone

- a) Charging stations display a dedicated support phone number, providing immediate access to ChargePoint's 24/7 call center.
- b) Support representatives assist drivers with station operation, troubleshooting, remote charger activation, driver account inquiries, and billing.

**24/7 Station Support:** Provides station managers with direct support via phone and email.

**Automatic software updates:** Ensures all stations receive over-the-air updates, delivering the latest features and performance enhancements.

### *Station Management*

**Access Control:** Manages user permissions for charging stations.

- a) Charging sessions can be initiated via RFID card, mobile app, or call center support.
- b) Fleet drivers can be assigned RFID cards for tracking and management.

**Real-time station status:** Displays charger availability, driver activity, power usage, and energy costs.

**Reporting & analytics:** Provides a suite of prebuilt reports to track station usage, session



fees, utility costs, and environmental impact. Data export is available in CSV format for external analysis. Reporting includes include:

- a) Station and site name
- b) Session start and end times
- c) Unique session identifier
- d) User account and RFID details
- e) Connection duration
- f) Connector type used
- g) Session end reason
- h) Total energy dispensed (kWh)
- i) 15-minute interval max power output

**User management & administrative controls:** Role-based access allows administrators to assign permissions and delegate management tasks across multiple sites. Supports third-party reporting requirements for grants and incentive programs.

**Valet dashboard:** Provides real-time notifications when vehicles complete charging, facilitating efficient fleet operations.

**Pricing control and flex billing:**

- a) The ChargePoint platform includes a PCI-DSS compliant billing system, supporting:
  - Credit cards (including contactless payments)
  - RFID cards (ISO 15693, ISO 14443, NEMA EVSE 1.2-2015)
  - Mobile payments (Apple Pay, Google Pay, NFC tap-to-charge)
- b) ChargePoint handles all payment processing, funds transfers, and collections.
- c) Administrators can configure pricing models, including:
- d) Per-kWh pricing (where permitted by state regulations)
  - Time-based pricing (per-hour or per-session)
  - Fixed session fees
  - Tiered pricing policies
- e) users.

**On-station video uploads:** Enables automatic playback of content on compatible stations.

**Station messages:** Allows drivers to submit feedback via the ChargePoint mobile app.

*Energy and Power Management*

**Power sharing at circuit, panel, and site levels:** Manages power distribution at circuit, panel, and site levels to optimize energy usage without exceeding infrastructure capacity.

- a) Circuit sharing: Allows multiple chargers to share a single circuit dynamically.
- b) Panel sharing: Balances power across a group of chargers connected to a panel.
- c) Site sharing: Distributes power among all chargers at a given location.

**Cable sharing:** Enables a dual-port station to operate on a single circuit without exceeding

breaker limits.

**Fixed power derating:** Allows stations to operate on smaller circuits by setting a permanent maximum power output.

**Hierarchical power sharing:** Establishes group-based power limits, preventing over-allocation.

#### *Driver Management*

**Availability notifications:** Sends alerts via app, text, or email when a station becomes available.

**Tap to charge:** Enables session initiation via iOS or Android mobile devices.

**Connections:** Offers discounted charging and exclusive access for select users.

**Waitlist:** Allows drivers to queue for charging stations through the mobile app.

**Public network map:** Displays available public stations on the ChargePoint network.

**EV charging network roaming:** Supports cross-network charging, including OCPP-J 1.6, OCPI 2.1.1, and OICP 2.1.

**Plug-and-Charge:** ISO 15118 authentication allows automatic vehicle recognition upon plug-in.

**Fleet management:** RFID cards can be issued and managed for County fleet vehicles. Provides real-time monitoring of fleet vehicle charging activity.

**Fleet ecosystem integrations:** ChargePoint integrates with fleet telematics, fuel card programs, and asset management systems.

## **ChargePoint Assure 5-Year Extended Warranty Service and Support**

### *Coverage Details*

#### **Parts and repairs**

- a) ChargePoint provides replacement parts to correct any defects in materials or workmanship.
- b) Charging stations will be restored to their published specifications.
- c) Coverage applies only to the charging station itself (electrical infrastructure issues are excluded).

#### **Service and labor**

- a) On-site service and labor is included for all repairs.
- b) Vandalism and accident damage are covered.
- c) 24/7 remote monitoring ensures station reliability.
- d) All repairs are coordinated by ChargePoint, including technician dispatch and part replacements.
- e) Response within one business day after issue notification.
- f) On-site repairs commence within one business day of receiving necessary parts.
- g) Detailed quarterly reports on station uptime, usage, and performance.

**Charging station uptime guarantee:** ChargePoint guarantees a 98% annual uptime, ensuring stations remain operational and available for use. This uptime percentage includes any downtime caused by hardware-related failures but excludes external infrastructure issues.

## **ChargePoint Station Activation and Configuration**

### *Service Details*

#### **Setup procedures for each station:**

- a) Activation of cloud services and network connection validation.
- b) Configuration of user access controls, pricing, reports, and notifications.
- c) Setup of radio groups, custom groups, and charger visibility settings.
- d) Troubleshooting and verification of network connectivity.
- e) Installation of firmware updates to ensure the latest software version is applied.

## **INF Associates Preventive Maintenance Services – 5-Year Term**

### *Preventive Maintenance Services*

#### **Annual inspection and condition assessment**

- a) *External unit assessment:* Inspection of the charging station's external housing for physical damage, wear, or exposure-related deterioration.
- b) *Internal hardware check:* Verification of internal components for operational integrity.
- c) *Cable management system inspection:* Evaluation of cable retraction, tension, and overall condition (if applicable).
- d) *Connector and latch operation testing:* Ensuring secure and reliable connector engagement.

#### **Cleaning and routine maintenance**

- a) *Exterior cleaning:* Removal of debris, dust, and contaminants from the external body and front panel.
- b) *Cable and connector cleaning:* Ensuring cables and J1772 connectors remain in optimal condition.
- c) *Preventive configuration uploads:* Applying customer-specific configuration parameters as required.
- d) *Maintenance logs and firmware verification:* Uploading and reviewing maintenance logs and confirming firmware versions are up-to-date.


#### **Electrical testing and safety checks**

- a) Cable electrical tests to confirm proper functionality.
- b) Earth continuity verification to ensure proper grounding.
- c) Functional tests using an EV simulator to confirm charging capabilities.
- d) Insulation resistance measurement to detect potential electrical hazards.
- e) Welder contactor assessment to evaluate switching performance.
- f) Tripping time analysis to confirm circuit protection mechanisms function correctly.

**Annual reporting:** A detailed report will be provided annually, summarizing findings, test results, and any maintenance actions performed.

February 20, 2025

TO: Thomson Thomas  
Finance

FROM: Janice Duarte   
Deputy Purchasing Agent

RE: Contract No. **5961BPS**  
Replaces No. 5866bps

Enclosed, please find a copy of the above referenced contract for ChargePoint Electric Vehicle Charging Stations, accessories, and related services and maintenance to the County of Westchester as per Bid No. RFB-WC-24279.

**Contract Period: 03/01/2025 through 02/28/2030**

Contract is between Westchester County and INF Associates, LLC, 747 3<sup>rd</sup> Avenue  
New York, NY 10017, ATTN: Charles dePuthod.

cc: Janice Duarte - BPS  
M. O' Sullivan - BPS  
Lee Prakash - Dept. of Public Works  
A. Finateri - "  
Files



**THE COUNTY OF WESTCHESTER**

BUREAU OF PURCHASE & SUPPLIES

148 Martine Avenue, Room 713  
White Plains, New York 10601

**CONTRACT NO 5961BPS**

**RFB-WC-24279**

**Contract Period: 3/1/25 — 2/28/30**

AGREEMENT, made this **7th** day of **February, 2025** between The County of WESTCHESTER a municipal corporation of the State of New York acting by and through Janice Duarte, its Deputy Purchasing Agent, hereinafter called the "County" and hereinafter called the "Contractor,"

**INF Associates, LLC**

**747 3<sup>rd</sup> Avenue**

**New York, NY 1001**

**Attn: Charles dePuthod**

WITNESSETH, for and in consideration of the sum of ONE (\$1.00) dollar paid by each of the parties hereto to the other, receipt whereof is hereby acknowledged and the agreements herein contained, made by each of the parties hereto, the County and the Contractor covenant and agree to as follows:

**FIRST**

That the Contractor will sell, furnish and supply to the County **ChargePoint Electric Vehicle Charging Stations, accessories, and related services and maintenance to the County of Westchester as per Bid No. RFB-WC-24279.**

**Contract Period: March 1, 2025 through February 28, 2030, with an option to extend the Contract for additional periods upon mutual written consent prior to expiration.**

Contracts are subject to the availability of funds as voted annually by the County Board of Legislators.

A certificate of Insurance showing adequate limits for Workmen's Compensation, Automobile and General Liability to be submitted with signed contracts.

**SECOND**

That the County will pay therefore prices, terms and conditions as per **Bid No. RFB-WC-24279 – Electric Vehicle Charging Stations**

- **Pricing for the items and services included in this agreement shall be as specified in the attachment.**
- **Terms: Net 30**
- **F.O.B: Destination**
- **At the County's sole option, this agreement may be cancelled at any time by giving 30 days' written notice, via certified mail, to the Contractor.**

1. This agreement shall be construed and enforced in accordance with the laws of the State of New York.

2. Should there be a conflict between the terms and conditions of this contract and the terms and conditions of any attachments, the terms and conditions of this contract shall prevail.

No payments shall be made to the Contractor under this contract except upon Bona Fide Invoices by the Contractor, approved by the head of the department affected and filed with the Commissioner of Finance of the County of Westchester.

**THIRD**

That the articles, merchandise or materials to be furnished must be new unless otherwise specified, and shall conform to the specifications contained in the Request for Bid, a copy of which is attached hereto and made a part hereof. That the Contractor will not at any time dispute the provisions of this contract or the specifications, nor assert that there was any misunderstanding in regard to the nature or amount of materials to be furnished or work done, and will furnish the materials and complete the entire work in strict compliance with this contract and specifications hereto attached.

**FOURTH**

That the work included in and called for under this contract is to be done and performed under the direction and to the entire satisfaction of the **County Deputy Purchasing Agent** who shall determine all questions relating hereto. His decision on any matter pertaining to this Contract, materials or work called for hereunder shall be final, conclusive and binding upon the Contractor.

**FIFTH**

That the articles, merchandise or materials to be furnished will be delivered for use to (see above) in accordance with said specifications.

**SIXTH**

That the articles, merchandise or materials will be furnished and delivered\* **within 30 days of Contractor receipt of an official Purchase Order**, except, however, that where the delay is caused by the County, by fire, or by other extreme and unusual causes over which the Contractor had no control and for which the Contractor is not responsible; or caused by the combined action of workman in nowise caused by or resulting from default or collusion on the part of the Contractor, or caused by embargo, the time shall be extended for a period equivalent to the time lost by reason of such delay, caused as a foresaid.

\* Time is of the essence of this contract.

**SEVENTH**

That this contract shall not be assigned or otherwise disposed of by the Contractor except upon written consent of the said County Purchasing Agent and should the Contractor without such previous written consent assign or otherwise attempt to dispose of this contract or of any rights therein or its power to execute said contract or any right or interest in any of the moneys to become due and this contract, to any person, firm or corporation, then this contract may be, at the option of the County, cancelled and terminated and said County shall thereupon be relieved and discharged from any and all liability and obligation arising therefrom to the Contractor or to any assignee, or transferee.

**EIGHTH**

That upon breach by the Contractor of any of the terms, covenants or conditions in this contract, the County shall have the right upon 10 days' notice in writing to the Contractor, by mail or otherwise as said County may choose, to declare this contract forfeited, cancelled and terminated; and all articles, merchandise or materials delivered to the County and all work done in installing same shall immediately become the property of the County. The County shall then have the right, power and authority to complete this contract, to contract for the competition thereof, with or without readvertising; and any additional cost or expense of such completion shall be charged to any paid by the Contractor or to the County upon demand.

**NINTH**

That except for the amount, if any, of damage contributed to, caused by or resulting from the sole negligence of the County, the Contractor shall defend, indemnify and hold harmless the County, its elected officials, officers, employees and agents from and against any and all liability, damage, claims, demands, costs, judgments, fees, attorneys' fees or loss arising from any negligent act or omission of the Contractor in the performance and/or failure to perform within the contract including the negligent acts or omission of any subcontractor or any direct or indirect employees of the Contractor or subcontractor.

**TENTH**

That the Contractor will comply with all the provisions of the laws of the State of New York and the United States of America which affect Municipalities and Municipal Contracts and more particularly the Labor Law, the General Municipal Law, the Workmen's Compensation Law, the Lien Law, Personal Property Law, State Unemployment Insurance Law, Federal and State Social Security Law, State Local and Municipal Health Laws, rules and regulations, and any and all regulations promulgated by the Commission of Labor (Industrial Commission) of the State of New York; and all amendments and additions thereto in so far as the same shall be applicable to this contract; with the same force and effects as if set forth herein at length.

**ELEVENTH**

That the terms, conditions, covenants and agreements of this contract shall be binding upon the heirs, executors, successors and assignees of the parties hereto.

IN WITNESS WHEREOF, The County of Westchester has caused this instrument to be executed by its Purchasing Agent, acting on behalf of said County, as authorized by law, and the Contractor has caused these presents to be signed by its duly authorized officers the day and year first above written.

THE COUNTY OF WESTCHESTER

By Janice Duarte  
Janice Duarte, Deputy Purchasing Agent

STATE OF NEW YORK

SS.:

County of Westchester

On this 7th day of February, 2025, before me personally came Janice Duarte to me known and known to me to be the person who executed the foregoing contract for and on behalf of THE COUNTY OF WESTCHESTER, the being by me duly sworn, did depose and say that he resides in the County of Westchester, that he is the Purchasing Agent of said County duly appointed pursuant to the provisions of Article IV, Section 24, of the Westchester County Charter, that he is authorized to act on behalf of the County of Westchester, the municipal corporation described in and which executed the foregoing instrument.

Witness  
Westchester County

CONTRACTOR: [Signature]  
Title President

STATE OF NEW YORK

SS:

County of Dutchess

[INDIVIDUAL/PARTNERSHIP/CORPORATION] (Circle One).....

On this 18th day of February, 2025, before me personally came to me known, and known to me to be the individual described in and who executed the foregoing contract, and he acknowledged to me that he executed the same.

Christine Turner  
Notary Public  
County Dutchess





**Specifications and Pricing**

<b>ChargePoint CP6011B-50A-L5.5</b> Single Port Pedestal Mount w/ 18' Cords	<b>\$3,936.00</b>
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<b>ChargePoint CPCLD-ASSURE-n5</b> Assure 5-Year extended warranty service and support	<b>\$1,496.00</b>
<b>ChargePoint CPSUPPORT-ACTIVE</b> Station Activation and Configuration	<b>\$150.00</b>
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• <b>Software:</b>	<b>45%</b>
• <b>Assure Maintenance:</b>	<b>12%</b>
• <b>INF Preventative Maintenance:</b>	<b>80%</b>
• <b>Activation Services:</b>	<b>39%</b>

## ChargePoint 6000 Series

### *General specifications*

**Type:** Level 2 AC Charging Station

**Assembly:** Stations include full assembly with all necessary parts provided.

**Charging connectors:** SAE J1772

**Charging cable:** 18 feet length with integrated cable management and locking holster

**Mounting options:** Stations are wall-mounted or pedestal-mounted.

**Measurements:** Approximately 71" h x 11" w x 18" d

**Weight:** 150 lbs. (wall mount); 170 lbs. (pedestal mount)

**Enclosure rating:** Type 3R per UL 50E

**Temperature range:** Certified to operate at temperatures ranging from -40 °F to 122 °F

**Operating humidity:** Up to 85% @ 122°F, non-condensing.

**Maintenance:** Units have a modular design with field-swappable major components. Chargers are configurable to adapt to changing power needs and installation requirements, with automatic software updates.

### *Safety, compliance, and certifications*

**Ground fault detection:** 20 mA CCID with auto retry

**Open safety ground detection:** Continuously monitors the presence of safety (green wire) ground connection

**Plug-out detection:** Power terminated per SAE J1772TM specifications

**Station surge protection:** 6 kV @ 3,000A

**Certifications:** NYSERDA, Energy Star

**Compliant with:**

- ISO 15118 Part 2 and Part 20
- OCPP 2.0.1
- UL and cUL Listed: Complies with UL 2594, UL 2231-1, UL 2231-2, and NEC Article 625
- CTEP/NEP
- EMC Compliance: FCC Part 15 Class B

### *Energy and power management*

**Configurable power output:** Station owners can adjust the maximum power delivery of each charging station.

**Shared circuit power management:** Enables multiple charging stations to share power from a single circuit, intelligently distributing available power to maximize charging efficiency without exceeding electrical limits.

**Energy measurement:**

- Meter accuracy 1%
- Accuracy class 2.0
- Acceptance tolerance 1.0%

**Power report/store interval:** 15-minute interval aligned to the hour, responsive to load management signals

*Network communication and connectivity*

**Charging station gateway connects through:**

- 4G LTE with GSM Backup for wide-area network (WAN) communication
- Ethernet/LAN for local area network (LAN) communication via a building's internet connection
- Wi-Fi on both 2.4 GHz and 5 GHz frequencies (802.11 a/n/b/g standards)
- Hybrid Connectivity combining cellular and Ethernet/LAN options

**Network communication protocol:** Stations are compatible with OCPP 2.0.1 for integration with network management systems.

**Authentication methods:** RFID, tap to charge (NFC), remote via mobile app or in vehicle

**Card reader:** Credit cards including contactless, RFID (ISO 15693, ISO 14443, NEMA EVSE 1.2-2015), NFC (Tap to Charge), mobile payments (e.g., Apple Pay).

**Display:** Full color 8-inch interactive display with full motion video, UV protection, gesture touch controls, and multi-language support. Station also includes Multi-color status LED charging status indicators and holster lighting.

*Electrical input / output*

**50A single port, pedestal AND wall mount - Standard**

- AC voltage: 208 / 240V AC
- Input current: 50A
- Input power connection: One (1) 70A branch circuit
- Required service panel breaker: 70A dual pole (non- GFCI)
- Wiring – Standard: 3-wire (L1, L2, Earth) No neutral
- Output: 12.0 kW (240V AC @ 50A)

**50A single port, pedestal AND wall mount - Power Select**

- AC voltage: 208 / 240V AC

- Input current: 16A - 48A
- Input power connection: One branch circuit rated 125% of input current (20A - 60A)
- Required service panel breaker: Dual pole (non- GFCI); rated 125% of input current (20A - 60A)
- Wiring – Standard: 3-wire (L1, L2, Earth) No neutral
- Output: 3.8 kW - 11.5 kW (240V AC @ 16A - 48A)

**50A dual port, pedestal AND wall mount - Standard**

- Input Current: 50A x2
- Input Power Connection: Two (2) independent 70A branch circuits
- Required Service Panel Breaker: 70A dual pole (non- GFCI) x 2
- Wiring – Standard: 5-wire (L1, L1, L2, L2, Earth)
- Wiring – Power Share: 3-wire (L1, L2, Earth)
- Output: 12.0 kW (240V AC @ 50A)

**50A dual port, pedestal AND wall mount - Power Share**

- Input Current: 80A
- Input Power Connection: One 70A branch circuit
- Required Service Panel Breaker: 70A dual pole (non GFCI)
- Wiring – Standard: 5-wire (L1, L1, L2, L2, Earth)
- Wiring – Power Share: 3-wire (L1, L2, Earth)
- Output: 12.0 kW (240V AC @ 50A) x 1; or 6.0 kW (240V AC @ 25A) x 2

**50A dual port, pedestal AND wall mount - Power Select**

- Input Current: 16A - 48A x 2
- Input Power Connection: Two independent branch circuits rated 125% of input current (20A - 60A)
- Required Service Panel Breaker: Dual pole (non- GFCI); rated 125% of input current (20A - 60A) x 2
- Wiring – Standard: 5-wire (L1, L1, L2, L2, Earth)
- Wiring – Power Share: 3-wire (L1, L2, Earth)
- Output: 3.8 kW - 11.5 kW (240V AC @ 16A - 48A) x 2

**50A dual port, pedestal and wall mount - Power Select/Power Share**

- Input Current: 16A - 48A
- Input Power Connection: One branch circuit rated 125% of input current (20A - 60A)

## Westchester County

- Required Service Panel Breaker: Dual pole (non- GFCI); rated 125% of input current (20A - 60A)
- Wiring – Standard: 5-wire (L1, L1, L2, L2, Earth)
- Wiring – Power Share: 3-wire (L1, L2, Earth)

### **All 50A models**

- Service Panel/Breaker GFCI: Do not provide external GFCI as it may conflict with internal GFCI (CCID)
- Station Power: 8 W typical (standby), 15 W maximum (operation)
- Line to Ground Voltage: 120V +/- 10%

**ChargePoint Bollard Concrete Mounting Kit**

**Three (3):** 5/8 – 11 x 9, F1554 Grade 55 hot-dipped galvanized threaded bolts

**Twelve (12):** 5/8 – heavy galvanized hex nuts (DH rated)

**Nine (9):** galvanized washers (ASTM F436)

**One (1):** Plastic template

## ChargePoint Fleet Commercial

### *Connectivity and Support Services*

**Network connection:** Enables 24/7 remote monitoring and status of stations

**API access:** Integrates with in-house and third party building and energy management systems.

**County portal:** Provides a cloud-based web portal for monitoring station utilization and uptime. ChargePoint will work with Westchester County to configure the portal and train stakeholders on dashboard features, reporting tools, and administrative controls.

The portal must:

- a) **Administrative controls:** The portal allows County administrators to manage user access, implement payment services, and analyze charging session activity in real time.
- b) **Reporting module:** Generates detailed transaction reports, including station ID, session identifier, energy transferred, connection time, user account, RFID card details, and other relevant data points.
- c) **Dashboard overview:** Displays network-wide station status, including real-time charger availability and maintenance alerts. Administrators can adjust station settings, access reports, and configure notifications.

**Driver Mobile App:** Provides drivers with real-time station availability, remote session initiation, usage history, station images, and FAQs.

**Driver Portal:** A web-based companion platform allowing drivers to manage accounts, join waitlists, and locate available stations.

**24/7 Driver Support:** Provides full support to EV drivers over the phone

- a) Charging stations display a dedicated support phone number, providing immediate access to ChargePoint's 24/7 call center.
- b) Support representatives assist drivers with station operation, troubleshooting, remote charger activation, driver account inquiries, and billing.

**24/7 Station Support:** Provides station managers with direct support via phone and email.

**Automatic software updates:** Ensures all stations receive over-the-air updates, delivering the latest features and performance enhancements.

### *Station Management*

**Access Control:** Manages user permissions for charging stations.

- a) Charging sessions can be initiated via RFID card, mobile app, or call center support.
- b) Fleet drivers can be assigned RFID cards for tracking and management.

**Real-time station status:** Displays charger availability, driver activity, power usage, and energy costs.

**Reporting & analytics:** Provides a suite of prebuilt reports to track station usage, session

fees, utility costs, and environmental impact. Data export is available in CSV format for external analysis. Reporting includes include:

- a) Station and site name
- b) Session start and end times
- c) Unique session identifier
- d) User account and RFID details
- e) Connection duration
- f) Connector type used
- g) Session end reason
- h) Total energy dispensed (kWh)
- i) 15-minute interval max power output

**User management & administrative controls:** Role-based access allows administrators to assign permissions and delegate management tasks across multiple sites. Supports third-party reporting requirements for grants and incentive programs.

**Valet dashboard:** Provides real-time notifications when vehicles complete charging, facilitating efficient fleet operations.

**Pricing control and flex billing:**

- a) The ChargePoint platform includes a PCI-DSS compliant billing system, supporting:
  - Credit cards (including contactless payments)
  - RFID cards (ISO 15693, ISO 14443, NEMA EVSE 1.2-2015)
  - Mobile payments (Apple Pay, Google Pay, NFC tap-to-charge)
- b) ChargePoint handles all payment processing, funds transfers, and collections.
- c) Administrators can configure pricing models, including:
- d) Per-kWh pricing (where permitted by state regulations)
  - Time-based pricing (per-hour or per-session)
  - Fixed session fees
  - Tiered pricing policies
- e) users.

**On-station video uploads:** Enables automatic playback of content on compatible stations.

**Station messages:** Allows drivers to submit feedback via the ChargePoint mobile app.

*Energy and Power Management*

**Power sharing at circuit, panel, and site levels:** Manages power distribution at circuit, panel, and site levels to optimize energy usage without exceeding infrastructure capacity.

- a) Circuit sharing: Allows multiple chargers to share a single circuit dynamically.
- b) Panel sharing: Balances power across a group of chargers connected to a panel.
- c) Site sharing: Distributes power among all chargers at a given location.

**Cable sharing:** Enables a dual-port station to operate on a single circuit without exceeding



breaker limits.

**Fixed power derating:** Allows stations to operate on smaller circuits by setting a permanent maximum power output.

**Hierarchical power sharing:** Establishes group-based power limits, preventing over-allocation.

#### *Driver Management*

**Availability notifications:** Sends alerts via app, text, or email when a station becomes available.

**Tap to charge:** Enables session initiation via iOS or Android mobile devices.

**Connections:** Offers discounted charging and exclusive access for select users.

**Waitlist:** Allows drivers to queue for charging stations through the mobile app.

**Public network map:** Displays available public stations on the ChargePoint network.

**EV charging network roaming:** Supports cross-network charging, including OCPP-J 1.6, OCPI 2.1.1, and OICP 2.1.

**Plug-and-Charge:** ISO 15118 authentication allows automatic vehicle recognition upon plug-in.

**Fleet management:** RFID cards can be issued and managed for County fleet vehicles. Provides real-time monitoring of fleet vehicle charging activity.

**Fleet ecosystem integrations:** ChargePoint integrates with fleet telematics, fuel card programs, and asset management systems.

**ChargePoint Assure  
5-Year Extended Warranty Service and Support**

*Coverage Details*

**Parts and repairs**

- a) ChargePoint provides replacement parts to correct any defects in materials or workmanship.
- b) Charging stations will be restored to their published specifications.
- c) Coverage applies only to the charging station itself (electrical infrastructure issues are excluded).

**Service and labor**

- a) On-site service and labor is included for all repairs.
- b) Vandalism and accident damage are covered.
- c) 24/7 remote monitoring ensures station reliability.
- d) All repairs are coordinated by ChargePoint, including technician dispatch and part replacements.
- e) Response within one business day after issue notification.
- f) On-site repairs commence within one business day of receiving necessary parts.
- g) Detailed quarterly reports on station uptime, usage, and performance.

**Charging station uptime guarantee:** ChargePoint guarantees a 98% annual uptime, ensuring stations remain operational and available for use. This uptime percentage includes any downtime caused by hardware-related failures but excludes external infrastructure issues.

## **ChargePoint Station Activation and Configuration**

### *Service Details*

#### **Setup procedures for each station:**

- a) Activation of cloud services and network connection validation.
- b) Configuration of user access controls, pricing, reports, and notifications.
- c) Setup of radio groups, custom groups, and charger visibility settings.
- d) Troubleshooting and verification of network connectivity.
- e) Installation of firmware updates to ensure the latest software version is applied.

**INF Associates Preventive Maintenance Services – 5-Year Term**

*Preventive Maintenance Services*

**Annual inspection and condition assessment**

- a) *External unit assessment:* Inspection of the charging station's external housing for physical damage, wear, or exposure-related deterioration.
- b) *Internal hardware check:* Verification of internal components for operational integrity.
- c) *Cable management system inspection:* Evaluation of cable retraction, tension, and overall condition (if applicable).
- d) *Connector and latch operation testing:* Ensuring secure and reliable connector engagement.

**Cleaning and routine maintenance**

- a) *Exterior cleaning:* Removal of debris, dust, and contaminants from the external body and front panel.
- b) *Cable and connector cleaning:* Ensuring cables and J1772 connectors remain in optimal condition.
- c) *Preventive configuration uploads:* Applying customer-specific configuration parameters as required.
- d) *Maintenance logs and firmware verification:* Uploading and reviewing maintenance logs and confirming firmware versions are up-to-date.

**Electrical testing and safety checks**

- a) Cable electrical tests to confirm proper functionality.
- b) Earth continuity verification to ensure proper grounding.
- c) Functional tests using an EV simulator to confirm charging capabilities.
- d) Insulation resistance measurement to detect potential electrical hazards.
- e) Welder contactor assessment to evaluate switching performance.
- f) Tripping time analysis to confirm circuit protection mechanisms function correctly.

**Annual reporting:** A detailed report will be provided annually, summarizing findings, test results, and any maintenance actions performed.