

# CP4000

## ChargePoint® Networked Charging Station

### Quick Reference Guide

This guide tells you where to find complete documentation and important things to consider before you install the station. It also provides safety tips and a post-installation checklist.

#### IMPORTANT SAFETY INSTRUCTIONS: SAVE THESE INSTRUCTIONS

**WARNING:**

**1. Read and follow all warnings and instructions before installing and 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 to install your ChargePoint charging station and adhere to all national and local building codes and standards.** Before installing the ChargePoint® charging station, consult with a licensed contractor, such as a licensed electrician, and use a trained installation expert to 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 or around hazardous locations, such as near flammable, explosive, or combustible materials.**

**6. Do not use this product if the enclosure, EV cable, or the EV connector is broken, cracked, open, or shows any other indication of damage.**

**7. Do not put fingers into the electric vehicle connector.**

**8. This device should be supervised when used around children.**

**9. Use 75°C or 90°C wire copper conductors only.**



**Important:** You must be a licensed electrician and complete an online training course to become a ChargePoint approved installer, and to get a login for ChargePoint. If you do not complete this training, you will be unable to complete the installation process. To complete online training and become a certified installer, refer to ChargePoint University at: [chargepoint.com/installers](https://chargepoint.com/installers) or [chargepoint.com/eu/installers](https://chargepoint.com/eu/installers)



**CAUTION:** Do not use power tools during installation or servicing. Over-torquing can damage the equipment.



**CAUTION:** Do not install the charging station in inclement weather. If you must complete the installation in rain or wind, you must use a weather-proof shelter that covers all boxes and components.

## Accessing Complete Documentation

ChargePoint Certified Installers can download the Site Design Guide, Installation Guide, Installation Templates, and Datasheet for this charging station in several languages at: [chargepoint.com/support/guides](https://chargepoint.com/support/guides). The Installation Guide is available in print by request from [chargepoint.com/support/](https://chargepoint.com/support/).

Document	Content	Audiences
<i>CP4000 Datasheet</i>	Full station specifications	Site designer, installer, and station owner
<i>CP4000 Site Design Guide</i>	Civil, mechanical, and electrical guidelines to scope and construct the site	Site designer or engineer of record
<i>Concrete Mounting Template Guide</i>	Onsite instructions for installing the CMT with anchor bolts and conduit placement	Site construction contractor
<i>CP4000 Installation Guide</i>	Anchoring, wiring, and powering on	Installer
<i>CP4000 Operations and Maintenance Guide</i>	Operation and preventative maintenance	Station owner or facility manager
Full set of service guides	Component replacement procedures	Station owner or third party servicer

## Preparing for Installation

Refer to the Site Design Guide (available at [chargepoint.com/eu/support/guides/](https://chargepoint.com/eu/support/guides/)) to prepare the site for charging station installation. Prior to installing the charging station, verify that the site meets these conditions:

- The site is at an elevation no greater than 2,000 m (6,561 ft) above mean sea level.
- The site will not expose the charging station to ambient temperatures above the maximum operating temperature, including influences such as direct sunlight.
- The site provides sufficient air circulation so that the charging station is cooled during operation.
- The site is not placed in close proximity to running water, sprinklers, water jets, or irrigation systems.
- Electrical cable and conduit has been installed in the correct places.
- Circuit protection and metering is in place, meeting all local codes and regulations.
- There is 2 m of power cable (service wiring) above ground level at the installation site.
- For wall mounted installations, the wall surface is wood stud, concrete, or masonry construction and is smooth, stable, plumb, and strong enough to hold the weight of the charging station and withstand driver interaction with the station.
- For pedestal mounted installations, the mounting surface is concrete (not asphalt) and measures a minimum of 600 mm (2 ft) x 600 mm (2 ft) x 600 mm (2 ft).
- The site is freely accessible to all authorized users.
- The station location avoids high pedestrian traffic areas such as thoroughfares, ramps, and marked escape routes.
- A vehicle can be parked between 0.5 m (1-3/4 ft) and 5.0 m (16-1/2 ft) from the charging station and can be connected without putting any strain on the charging cable.
- The site has adequate cellular network coverage.



**Important:** Under no circumstances will compliance with the information in this manual relieve the user of the responsibility to comply with all applicable codes or safety standards. This document describes the most commonly-used installation and mounting scenarios. If situations arise in which it is not possible to perform an installation following the procedures provided in this document, contact ChargePoint.

**ChargePoint is not responsible for any damages that may result from custom installations that are not described in this document or for any failure to adhere to installation recommendations.**

## Declaration of Conformity

Category/Directive	Standard	Scope
General Safety Requirements Directive 2001/95/EC Low Voltage Directive 2014/35/EU	IEC61851-1, (3 <sup>rd</sup> ed.) IEC 61851-22 Ed. 2.0 IEC61439-7 Ed. 1.0; 2014-02	Electric Vehicle conductive charging systems, General Requirements Low-voltage switchgear and control gear assemblies: electric vehicle charging stations
Electromagnetic Compatibility (EMC) Directive 2014/30/EU	EN 301 489-1 EN 301 489-3 EN 301 489-52 IEC 61000-3-X IEC 61000-4-X IEC 61000-6-X	EMC for standard Radio and service EMC for Short range radio, EMC for Cellular device, EMC for conductive electric vehicle charging station
Radio Equipment Directive (RED) 2014/53/EU	EN 300 330 v2.1.1 EN 301 893 v2.0.7 EN 300 328 v2.1.1 EN 301 511 v12.1.10 EN 301 908-1 v11.1.1	RF testing for WiFi and BT, RF testing for RFID, RF testing for Cell modem
RoHS Directive 2011/65/EU	EN 50581:2012	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

See test report 2230436KAU-001a and 2230436KAU-040a

See test report 230436KAU-004\_Draft

### Product Disposal

To comply with Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE), devices marked with this symbol may not be disposed of as part of unsorted domestic waste inside the European Union. Inquire with local authorities regarding proper disposal. Product materials are recyclable as marked.



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## Questions?

Contact ChargePoint Support at [chargepoint.com/support/](https://chargepoint.com/support/). We're happy to help.

## Complete the Post-Installation Checklist

Before leaving the installation site, complete this checklist for the CP4000. Provide this information to the facility owner or manager.

### Customer:

Name	
Site Address	
Contact	

### Installer:

Company	
Address	
Phone	
Installer Name	
Contact	

	Earth/ground connection is made to the ground lugs on pedestal installations.
	Service wiring has been fully inserted into the terminal blocks and all electrical connections are clean and tight.
	Electrical enclosures are clean and free of wire strands and metal shavings.
	All covers are installed and all fasteners are tightened.
	The parking area is clean and free of all packaging and debris.
	All pinpointing steps from the Installation Guide have been completed.
	Required local forms are prepared.
	The network test at the end of the Installation Wizard on each station has succeeded.
	The test charging session successfully started.
	The screen shows the default screen. It does not say the station is unavailable.
	The station is labeled with the panel and breaker information.



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