Express Distro Power Block 2000

One Platform, Infinite Possibilities

Site Design Guide for North America



IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

This manual contains important instructions for ChargePoint® products that shall be followed during installation, operation and maintenance of each product.

WARNING:

1. **Read and follow all warnings and instructions before servicing, installing, or operating the ChargePoint® product.** 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. **ChargePoint recommends that installation, commissioning, and break-fix services be performed by a licensed electrician who is also a ChargePoint-certified technician.** These systems operate at high voltage, and without strict adherence to safety protocols, proper protective equipment, and ChargePoint technical guides, there is significant risk to people, equipment, and the environment. Please ensure full compliance with all applicable local and national buildings, electrical, and safety codes.
3. **Always ground the ChargePoint product.** A touch current of >3.5 mA AC RMS is possible in case of a fault condition of loss of electrical continuity of the earthing conductor. Failure to ground the product can lead to risk of electric shock. The product 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 product using a ChargePoint-approved method.** Failure to install on a surface that can support the full weight of the product can result in death, personal injury, or property damage. Inspect the product for proper installation before use.
5. **The product 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. **For charging stations equipped with EV connectors or charging rails, do not put fingers into the electric vehicle connector or connector adapter. Do not touch fingers to charging rails.**
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 is damaged or if any internal parts (including wiring) are accessible. For products equipped with an EV connector, flexible output cable, vehicle inlet, or connector adapter, do not use the product if any of these components are broken, cracked, open, or shows any other signs of damage.**
10. **Wire and wire terminal information are provided in the ChargePoint product Site Design Guide and Installation Guide.**

11. **Torques for installation of wire terminals are provided in the ChargePoint product Installation Guide.**
12. **The ChargePoint product maximum operating temperature is 50 °C (122 °F).**
13. **For products equipped with an EV connector or connector adapter, do not use an adapter with any charger or EV that exceeds the adapter's rated voltage or current capacity. Some EV/EVSE combinations can operate at multiple voltages or allow short-duration current overloads during normal charging. Using an adapter in these situations could result in unsafe conditions such as fire, burns, or exposure of high voltage.**

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.

Warranty Implication

IMPORTANT: Please be advised that all installation, commissioning, and break-fix services must be performed by a ChargePoint-certified technician. Engaging non-certified personnel for these services will result in warranty implications, as doing so constitutes a breach of policy.

Support Services

https://www.chargepoint.com/legal/support-services

For more information about ChargePoint's training and certification program, visit https://www.chargepoint.com/partners/training-certification

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 Product Reference Documentation.

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ChargePoint, Inc., registered in the United States and other countries, and cannot be used without the prior written consent of ChargePoint.

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: Critical detail that must be followed to achieve intended results



NOTE: Important contextual details or procedural clarifications



REINSTALL NOTE: Essential instructions to follow when reinstalling a part or component



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.

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Revision History

This page provides a summary of revisions made, listing the month and year of each update along with a brief description of the changes made.

Month & Year	Description
Sep, 2026	The following updates were made: • Revised System Description in Introduction. • Revised Clearances in Civil and Mechanical Design. • Corrected required voltage rating for Safety Hub conductors in Wire Specifications. • Added 80% recommended breaker sizing in Branch Circuits and Overcurrent Protection • Revised Wire Terminal and Bus Bar Locations with wire length required to reach AC input and high power DC landings
June 2026	The following updates were made: • Replaced "high power ground" with "DC grounding" • Updated Electrical Supply Requirements section with GFPE requirement. • Updated the Conduit Requirements section with a new AC input conduit specification and also remove reference to conduit outer diameter. • Updated Wire Specifications section with new wire termination specifications.
April 2026	Early access draft, initial release.

Introduction 1

This section defines the purpose of this guide and provides an introduction to the ChargePoint® Express Distro Power Block 2000.

About This Guide

This guide provides guidelines and best practices for designing project sites that will host the Power Block 2000. It covers electrical infrastructure requirements, capacity planning, conduit and concrete work, site layout considerations, and cellular signal requirements needed to prepare a site for installation.

This guide is intended for site designers, electrical engineers, project planners, architects, and construction professionals responsible for preparing a site for Power Block 2000 deployment.

IMPORTANT: You must be a licensed electrician and complete online training to become a ChargePoint certified installer. If you do not complete training, you cannot access the ChargePoint network to complete installation. Find online training at: https://www.chargepoint.com/partners/training-certification. If the charging station is not installed by a ChargePoint certified installer, using a ChargePoint approved method, it is not covered under warranty and ChargePoint is not responsible for any malfunctions.

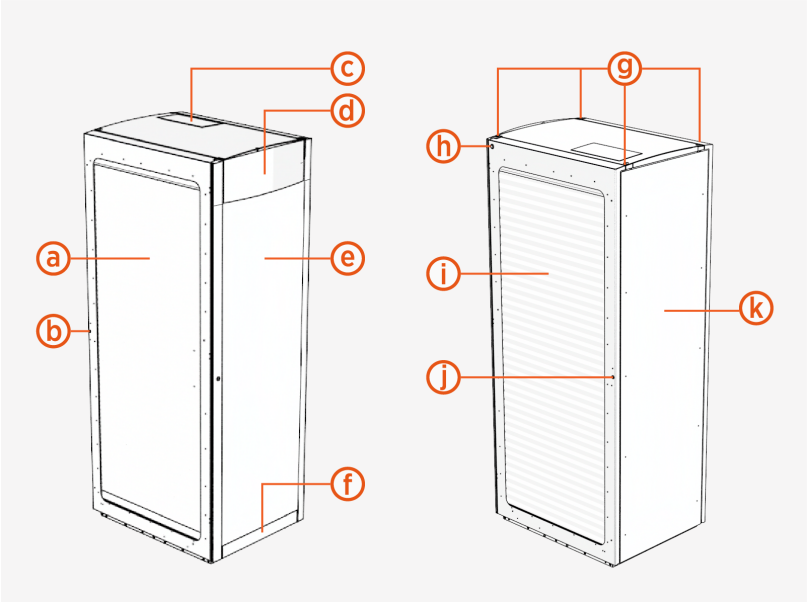
Power Block 2000 Overview

Power Block 2000 is a product within the ChargePoint Express DC fast charging platform. Power Block 2000 is a power cabinet, responsible for AC grid connection, power conversion, and DC power distribution to downstream EVSEs such as external Power Link charging dispensers.

For information on Power Link charging dispensers and other EVSEs in the ChargePoint Express platform, refer to the Express platform documents at ChargePoint Product Reference Documentation.

Exterior Parts

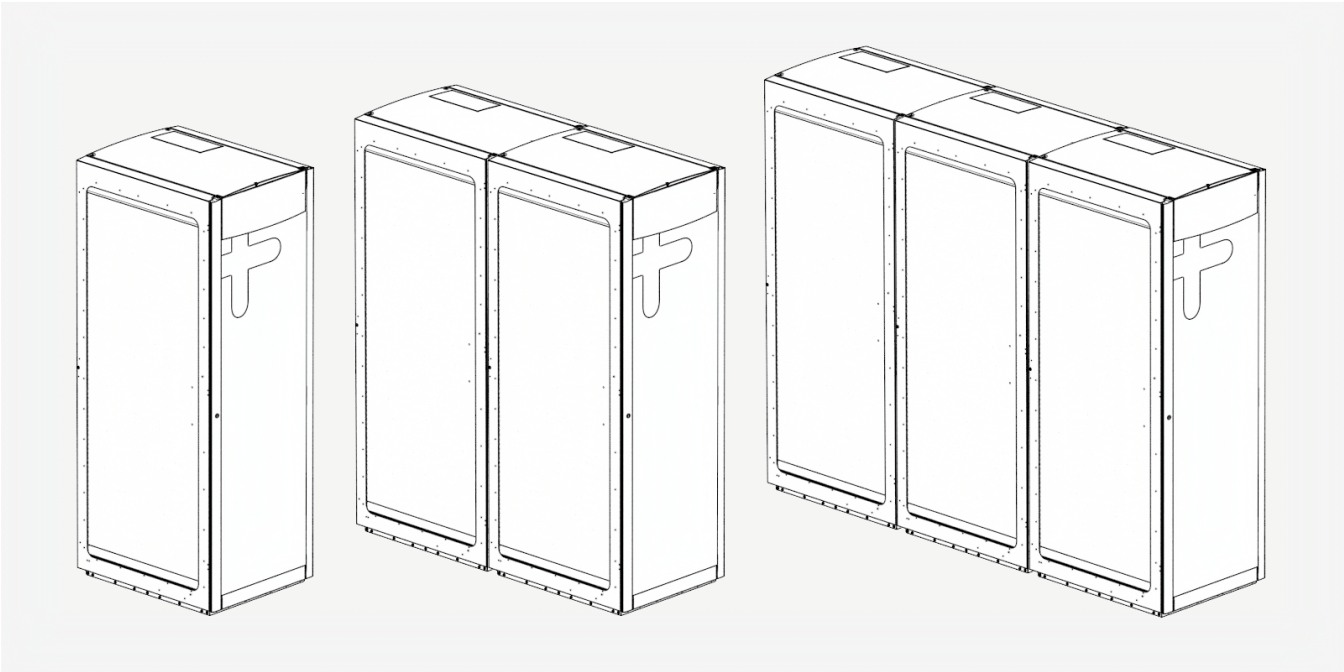
The following shows an exterior view of a single-cabinet Express Distro Power Block 2000:



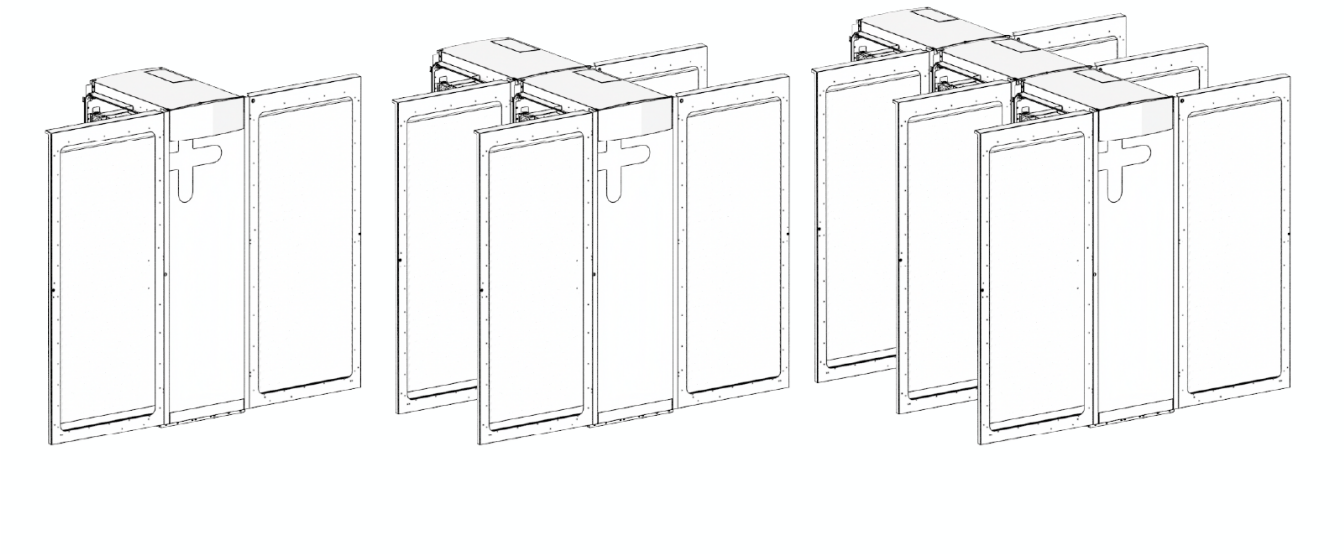
Ref	Part	Ref	Part
(a)	Exhaust (left) door with airflow vents	(g)	Lifting points
(b)	Exhaust door lock	(h)	Status LED
(c)	Smart Antenna (optional)	(i)	Intake (right) door with airflow vents
(d)	Logo plate (customizable)	(j)	Intake door lock
(e)	Front panel (with customizable vinyl)	(k)	Rear panel
(f)	Front bottom plate		

Cabinet Configurations

Power Block 2000 is available in single-, double-, or triple-cabinet configurations, as shown below. The double- and triple-cabinet models ship as a single integrated unit, with the cabinets factory-bolted together.

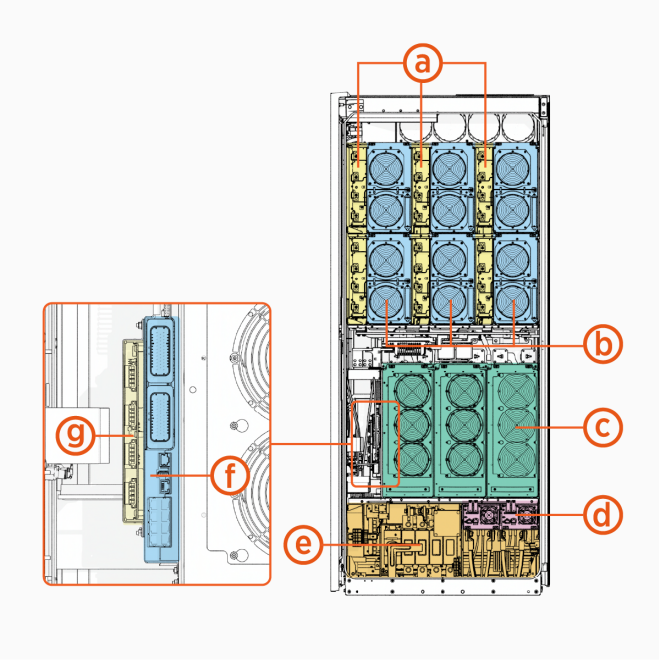


The side doors for each cabinet section swing open towards the front of the unit.

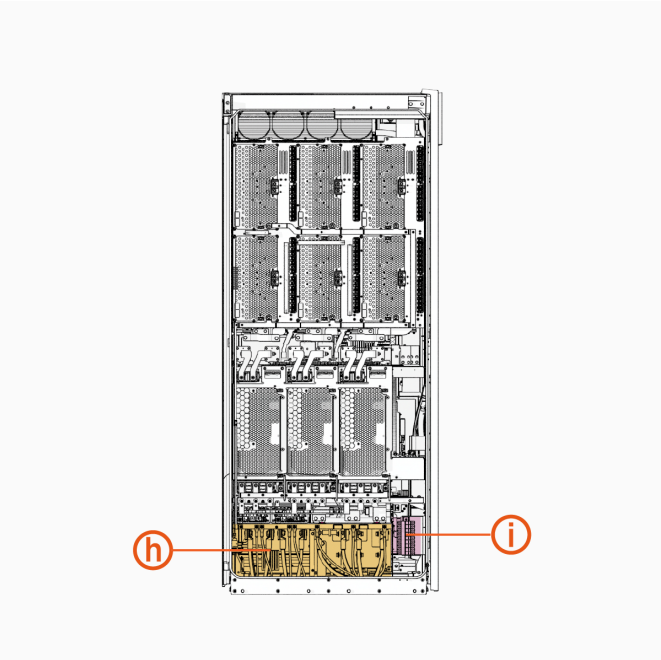


Interior Parts

The following shows the interior views of the single-cabinet Power Block 2000:



Intake (Right) Side



Exhaust (Left) Side

Ref	Part	Ref	Part
(a)	Contactor matrix	(f)	Power Management Controller (PMC)
(b)	DC power modules	(g)	Safety Hub Board (SHB)
(c)	AC power modules	(h)	Wire terminals and bus bars, exhaust side
(d)	Aux power supply (AUX PS) modules	(i)	48 V DC fuse block
(e)	Wire terminals and bus bars, intake side		

The interior parts shown above are present in each cabinet of the double- and triple-cabinet Power Block 2000.

System Description

The Power Block 2000 intakes 3-phase AC grid power and performs power conversion with two types of modules:

- **AC Power Module** – The AC power module converts AC input power to DC output power. Up to three modules can be installed into each Power Block 2000 cabinet to scale total power capacity.
- **DC Power Module** – The DC power module is an isolated, bidirectional DC/DC converter that conditions power for delivery to downstream EVs.

The Power Block 2000 has two separate DC power distribution buses:

- **DC Grid Bus** – The DC Grid Bus is a non-isolated DC bus (up to 950 V depending on region and application). Multi-cabinet Power Block 2000s can ship with their DC Grid Buses interconnected for power sharing. DC Grid functionality is supported only on 480 V AC and 400 V AC Power Block 2000 models; 600 V AC models do not support DC Grid.
- **DC Output Bus** – The DC Output Bus is an isolated DC bus (100–1000 V) that delivers regulated output power to connected EVs. Power flow from the DC Output Bus is routed through the Contactor Matrix, which selectively connects to a set of discrete external DC outputs.

The Power Block provides the following external DC outputs:

- Power Block 2000 is available with four, eight, or twelve external DC outputs per cabinet, designated EXT A, EXT B, EXT C, and so on through EXT L.
- Each output can supply power to a single input power path of a Power Link charging dispenser.

The Power Block 2000 is equipped with an Auxiliary Power Supply (APS) system:

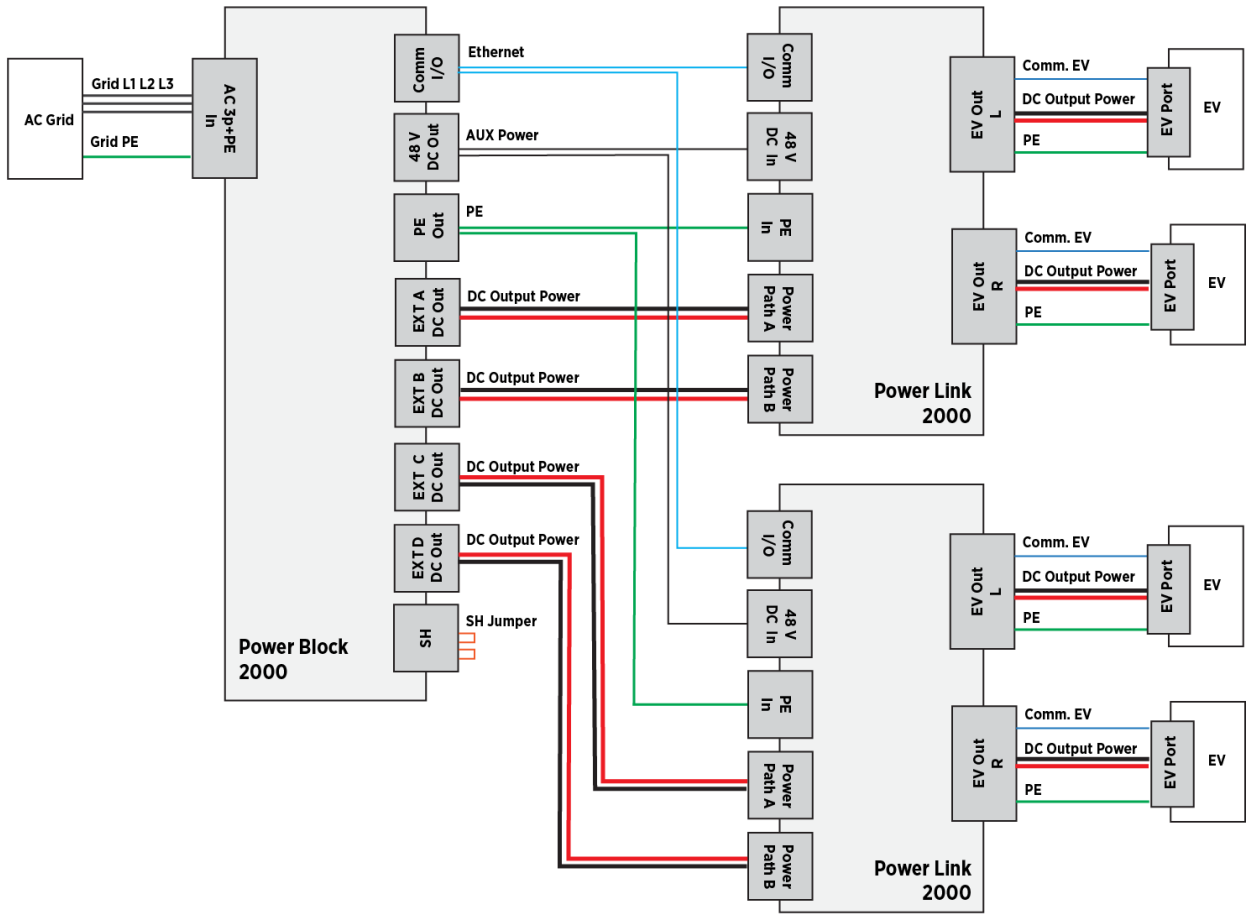
- **Auxiliary Power Supply (AUX PS) Modules** – Each cabinet includes AUX PS modules that generate 48 V DC power for internal electronics and sub-assemblies within the unit.
- **48 V DC Output** – Each Power Block 2000 cabinet provides 48 V DC outputs for supplying power to connected Power Link charging dispensers.

The Power Block 2000 features an integrated system that facilitates safe and reliable communication and control:

- **Power Management Controller (PMC)** – The PMC controls power flow within the system. It communicates with the power converters and the contactor matrix to manage the delivery of power to the external DC outputs. The PMC supports Ethernet ports for communication with various components like connected Power Link charging dispensers and interconnected Power Block 2000 cabinets to ensure seamless operation. In the event of a fault, the PMC can instruct the power converters to stop power delivery and open the contactors to isolate the power source.
- **Contactor Matrix** – The contactor matrix receives commands from the PMC to open or close the contactors as needed.
- **Safety Hub Board (SHB)** – In addition to processing fault reports from the Neutron, the SHB supports four dispenser ports for performing continuous electrical isolation monitoring of connected Power Link charging dispensers. Any faults detected are reported to the PMC.

System Interfaces and Sample Architecture

The following provides a high-level overview of the electrical interfaces of a Power Block 2000. The diagram also illustrates the interconnections required for an example architecture in which the Power Block 2000 provides DC output power to the input power paths (A and B) of two Power Link 2000s. The Power Link 2000s are each equipped with two charging cables (L and R). Note that Power Link 2000 does not require Safety Hub (SH) monitoring.



IMPORTANT: Power Block 2000 can be configured in many different system architectures, only one of which is shown above. The actual architecture for each site will vary depending on the number of stations, the charging capacity required at each charging station, charging requirements, and other criteria. If you are a site designer, contact a ChargePoint representative for the ChargePoint-approved wiring architecture for your specific project. Systems configured with non-approved wiring between Power Block 2000 and paired stations may not function as expected. If you are an installer, see the site plan for the architecture specific to the site installation project.

Product Guides

A full suite of guides is available for Power Block 2000, as summarized below.

Document	Content	Primary Audiences
Datasheet	Full station specifications	Site designer, installer, and station owner
Site Design Guide	Civil, mechanical, and electrical guidelines to scope and construct the site	Site designer, responsible engineer, contractors, installers
Construction Signoff Form	Checklists used by contractors to ensure the site is correctly completed and ready for product installation	Site construction contractor
Installation Guide	Anchoring, wiring, and powering on	Installer
Operation and Maintenance Guide	Operation and preventive maintenance information	Station owner, facility manager, and technician
Service Guide	Component replacement procedures, including optional components	Service technician
Declaration of Conformity	Statement of conformity with directives	Purchasers and public

Access ChargePoint documents at ChargePoint Product Reference Documentation.

Questions

For assistance, go to chargepoint.com/support and contact technical support using the appropriate region-specific number.

Site Planning and Placement 2

This section outlines general planning and placement requirements for Power Block 2000 sites.

Initial Site Guidelines

The site designer must perform an onsite evaluation to determine conduit and wiring requirements from the panel to the proposed charging locations, and to measure cellular signal levels and identify suitable locations for any required cellular signal-booster equipment.

If you have pre-existing infrastructure or are using your own preferred electrical contractor to prepare your site, an *Express Distro Power Block 2000 Construction Signoff Form* completed by a ChargePoint Operations and Maintenance (O&M) partner is required to certify compliance with electrical code and to ensure everything was prepared to ChargePoint specifications.

Plan for Future Charging Capacity

Designing electrical infrastructure to support current and future needs for EV charging helps avoid costly upgrades later as demand for EV charging grows.

Consider these methods to prepare a site for future charging stations in a later phase of work:

- Add extra capacity if electrical panels are being upgraded now.
- Use sub-panels as a way to shorten electrical paths.
- Maximize the conduit and conductor sizes (to product specifications) between the main electrical panel and future stations, to prevent needing to re-pull wire later.
- Below-ground wiring can be pre-staged if the correct site construction is performed in advance. Allowed terminations include a distribution unit, junction box, or plugged conduit. This eases cable pulls for future stations.
- Consider locations and spaces where it will be easy to add future stations.

System Placement

The placement of Power Block 2000 must meet the following requirements:

- Do not install Power Block 2000 in a Class 1 hazardous location, as classified by NEC or local codes.
- Site conditions must be compatible with the following specifications listed in the *Express Distro Power Block 2000 Datasheet*:
  - Operational altitude
  - Operating temperature
  - Operating humidity
  - Enclosure rating
- Power Block 2000 must be installed on a level concrete surface rated for the weight of the station.



WARNING: The charging station must be installed on a level concrete base 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:

- Determine appropriate ground anchoring locations where concrete exists or can be installed.
- Consider locations where it will be easy to add future stations.
- If using conduits to pull wires, determine the best conduit layout to minimize linear conduit costs to multiple parking spaces. If possible, avoid or minimize trenching requirements, especially more costly trenching to run conduit under asphalt surfaces.
- Determine if the existing utility service and electrical panel capacity is sufficient. Identify costs for any necessary upgrades and/or a new dedicated electrical panel. ChargePoint recommends using a licensed electrician to evaluate available capacity and identify any upgrades that may be required.
- If a dedicated EV electrical panel is required, choose a panel located close to the existing electrical supply.
- Measure cellular signal levels to ensure adequate cellular coverage at the station locations. To ensure adequate signal strength in underground or enclosed parking structures, cellular repeaters may be required. For more information, see Connectivity.
- ChargePoint recommends avoiding locations under trees where sap, pollen, or leaves would fall on the charging station and increase the station owner's site maintenance workload.

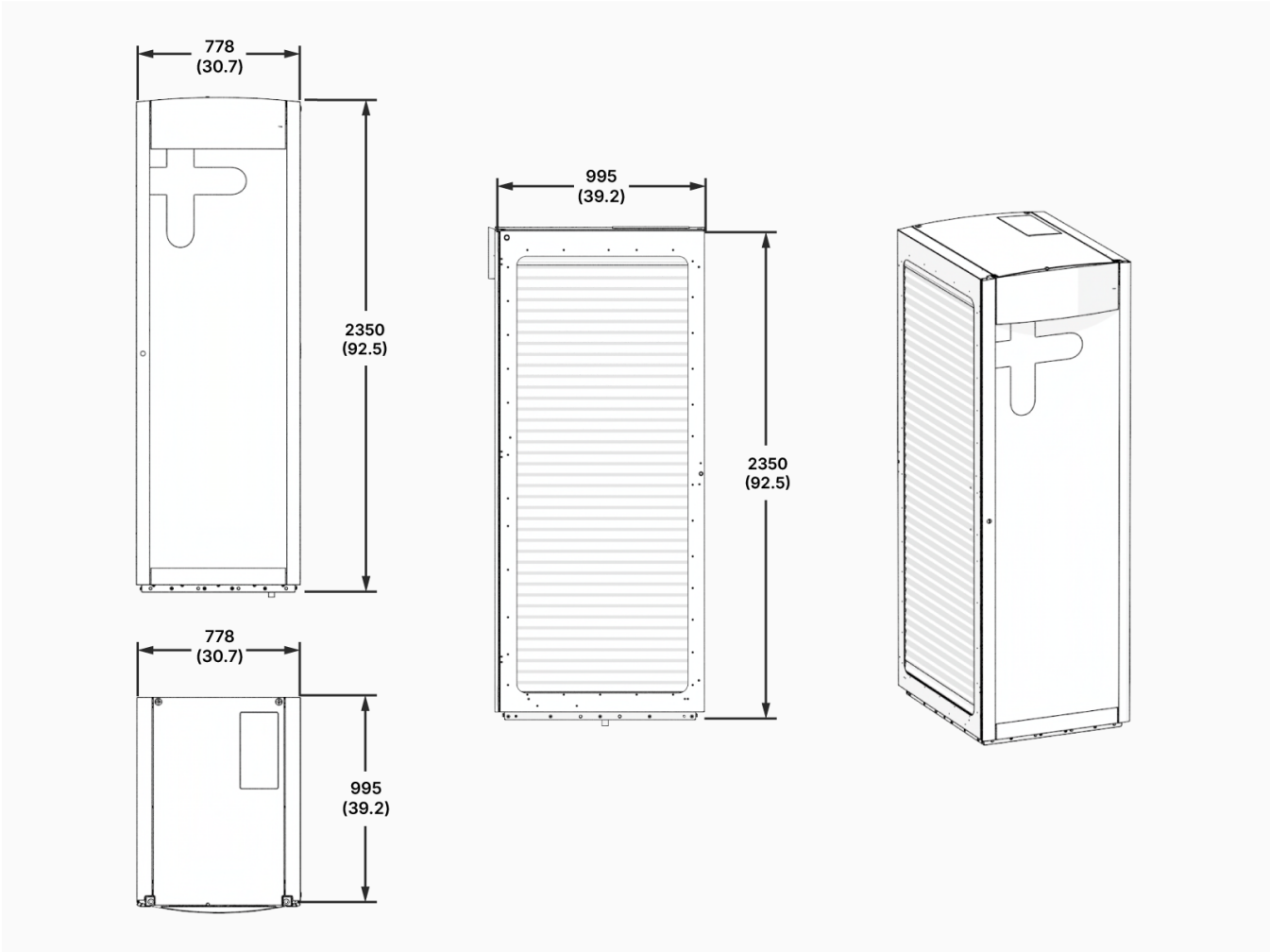
Civil and Mechanical Design 3

This section describes civil and mechanical site design guidelines for Power Block 2000.

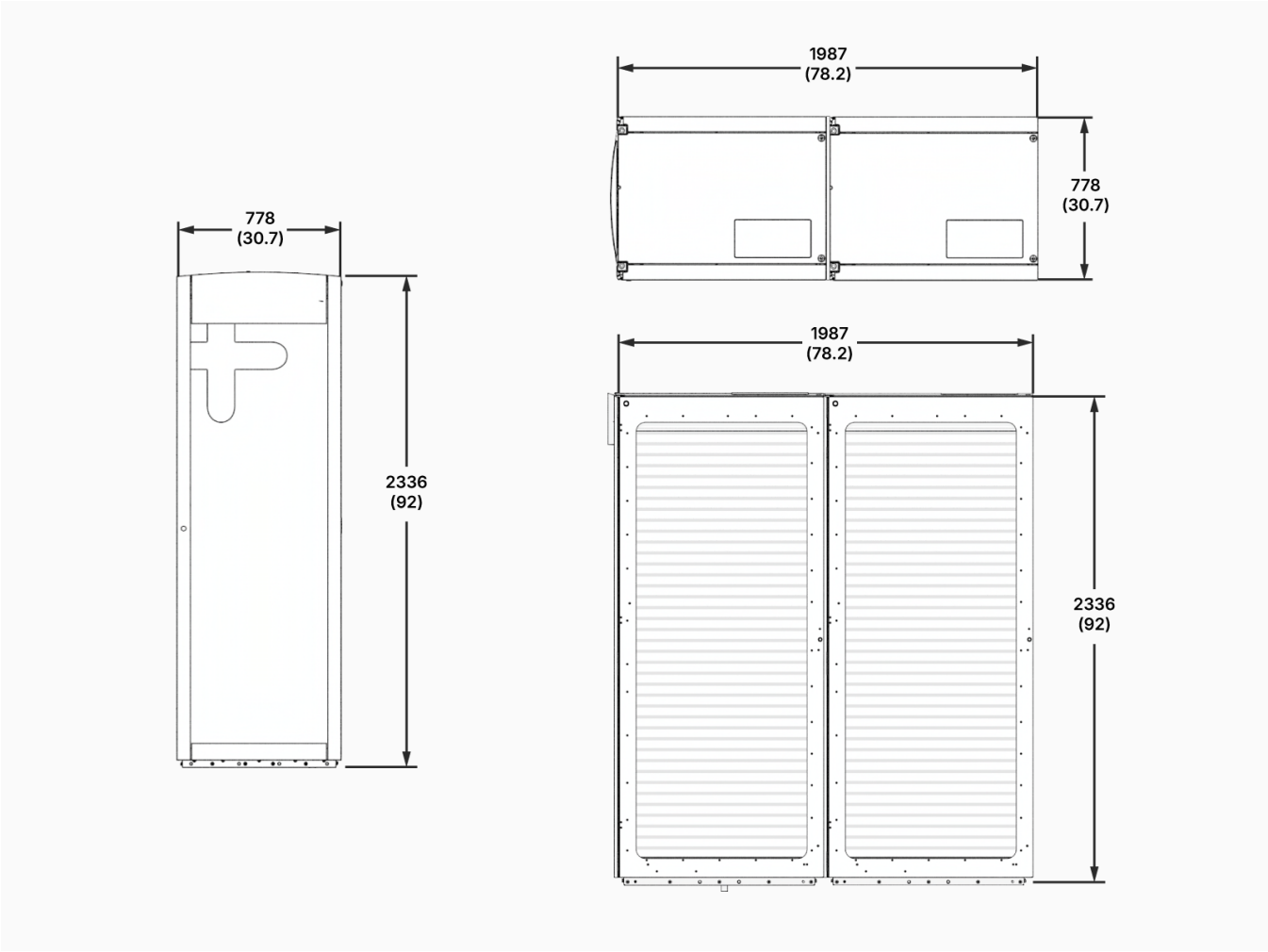
Dimensions

NOTE: Images given in this section are not to scale. Measurements appear in metric units (mm), followed by imperial equivalents (inches).

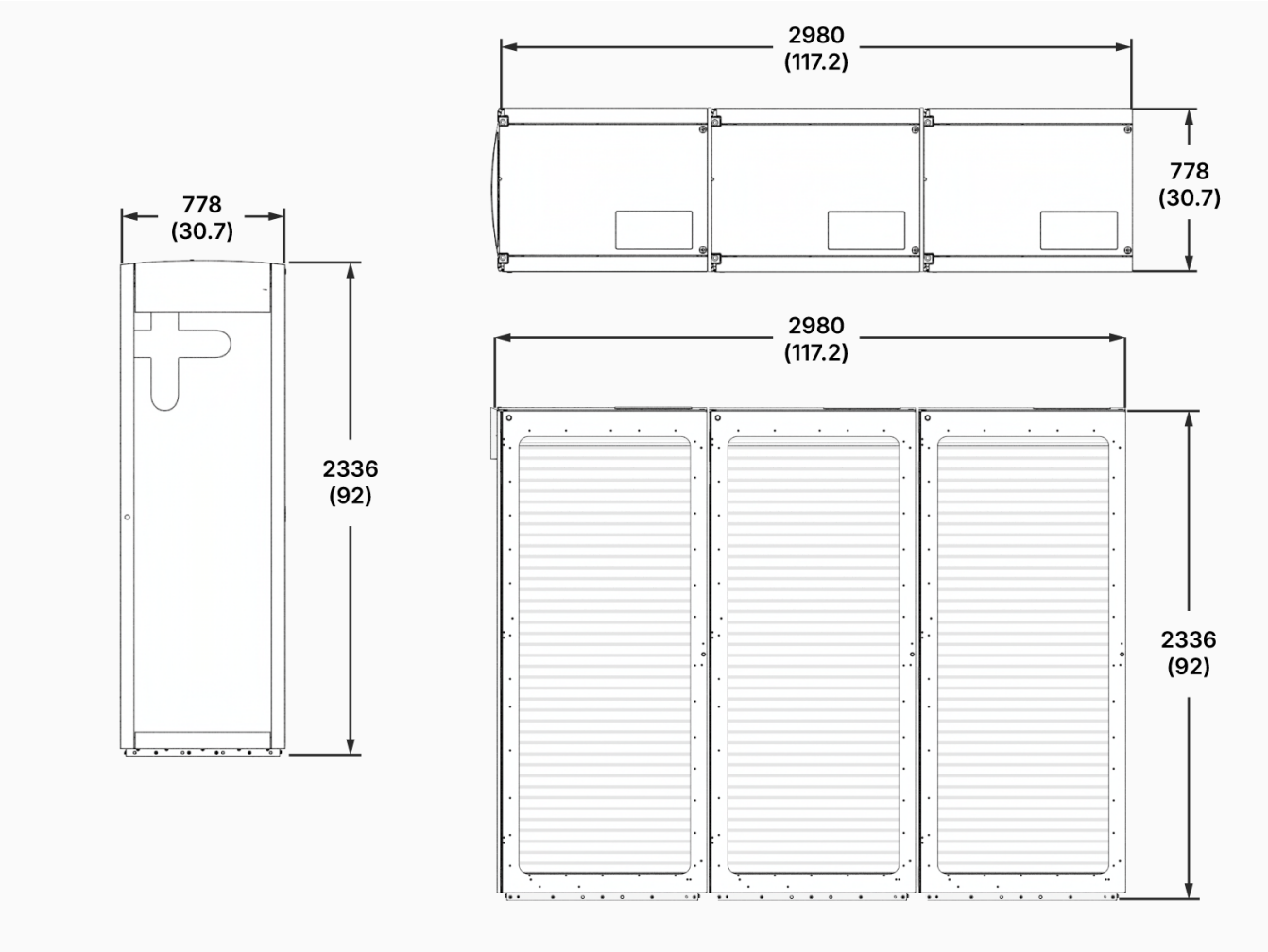
Single-Cabinet



Double-Cabinet



Triple-Cabinet



Weights

The following enables calculation of the Power Block 2000 weight, depending on its configuration:

Component	Weight
Power Block 2000 – Single-cabinet (fully loaded)	1300 kg (2866 lb)
Power Block 2000 – Double-cabinet (fully loaded)	2600 kg (5732 lb)
Power Block 2000 – Triple-cabinet (fully loaded)	3900 kg (8598 lb)
AC power module (single module)	93 kg (205 lb)
DC power module (single module)	68.5 kg (151 lb)

Mount Specifications

WARNING: If not installed correctly, ChargePoint charging components may pose a crushing hazard, leading to death, personal injury, or property damage. Always use a ChargePoint-approved mounting method to install the ChargePoint charging components, as described in this section. 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.

Concrete Pad Specifications

The Power Block 2000 must be installed on a concrete pad or engineered foundation. The concrete pad may be either newly poured or an existing concrete surface, provided it meets the requirements below.

Surface requirements

IMPORTANT: The concrete surface must be smooth and level. If an existing surface does not meet this requirement, a localized leveling pad must be poured.

New concrete pad requirements

A new concrete pad may be:

- Site-specific, designed by a licensed structural engineer, or
- Selected from the standard pad specifications provided in this section.

Conservative concrete stability specifications for Power Block 2000 are listed below for the following design scenarios:

1. 170 mph wind, high seismic, Class 3 Soil
2. 170 mph wind, high seismic, Class 4 Soil
3. 170 mph wind, high seismic, Class 5 Soil
4. 140 mph wind, lower seismic, Class 3 Soil
5. 140 mph wind, lower seismic, Class 4 Soil
6. 140 mph wind, lower seismic, Class 5 Soil

All scenarios assume the following baseline requirements:

- Concrete Strength: Minimum design compressive strength of 2500 PSI.
- Anchor bolts: M20 threaded, ASTM F1554 Grade 55, hot-dip galvanized. Bolts shall be embedded to the depth specified in the table below.
- The anchor bolt pattern shall be centered within the designed stability area of the concrete pad.

Single-Cabinet Concrete Stability Specifications:

Design Scenario #	Pad Width	Pad Length	Pad Thickness	#N1 @ S1 O.C. Top Rebar	#N2 @ S2 O.C. Bottom Rebar	Anchor Embedment
1	1997 mm (79 in)	2214 mm (87 in)	457 mm (18 in)	#5 @ 304 mm (12 in) O.C.	#5 @ 304 mm (12 in) O.C.	305 mm (12 in)
2	1997 mm (79 in)	2214 mm (87 in)	610 mm (24 in)			305 mm (12 in)
3	1997 mm (79 in)	2214 mm (87 in)	457 mm (18 in)			305 mm (12 in)
4	1540 mm (61 in)	1757 mm (69 in)	457 mm (18 in)			203 mm (8 in)
5	1692 mm (67 in)	1909 mm (75 in)	457 mm (18 in)			203 mm (8 in)
6	1540 mm (61 in)	1757 mm (69 in)	457 mm (18 in)			203 mm (8 in)

Double-Cabinet Concrete Stability Specifications:

For details, contact ChargePoint at chargepoint.com/support.

Triple-Cabinet Concrete Stability Specifications:

For details, contact ChargePoint at chargepoint.com/support.

In extreme environmental conditions, a larger pad may be required. Conversely, sites with less stringent wind, seismic, or soil conditions may allow for a smaller pad, subject to engineering approval.

Existing pad requirements

An existing concrete pad may be used if it meets one of the conservative stability specifications listed above, or if it is evaluated and approved by a structural engineer using the parameters below.

The table below combines all required inputs, whether provided here or elsewhere in the guide, to ensure the structural engineer receives a complete and consistent set of values.

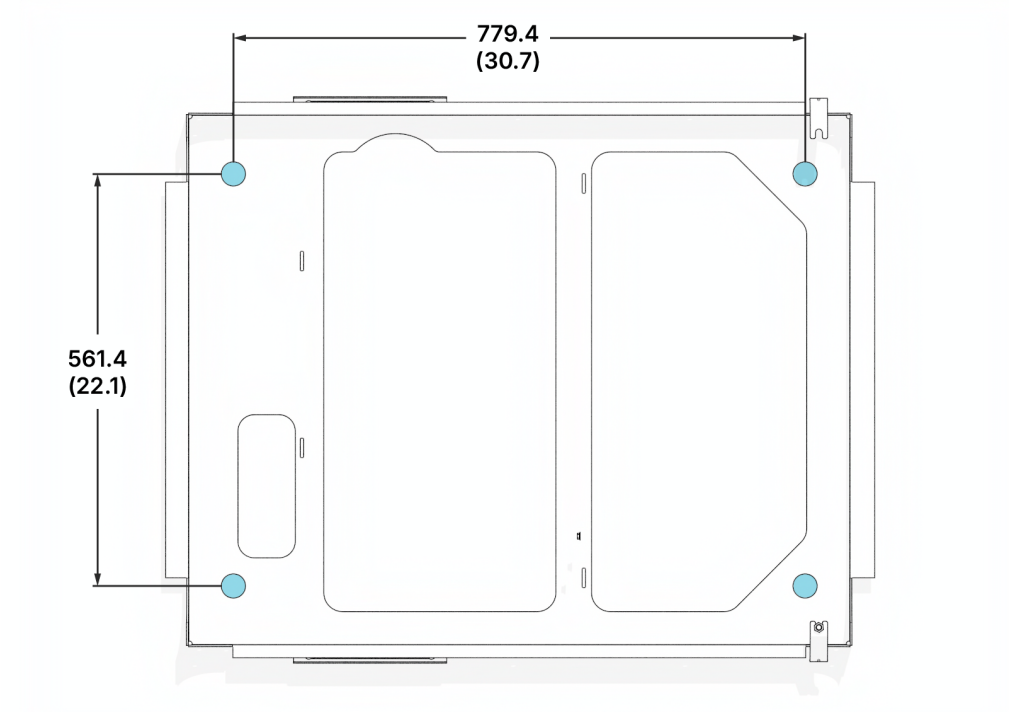
Parameter	Value
Weight	See Weights
Height x width	See Dimensions
Frontal area	Height x Width as given in Dimensions
Center of gravity height	1349 mm (53.1 in)
Anchor bolts size and quantity	M20 (x4 per cabinet)
Anchor bolts embedment depth	Minimum 203 mm (8 in)
Anchor bolts pattern	See Anchor Bolt Pattern

Anchor Bolt Pattern

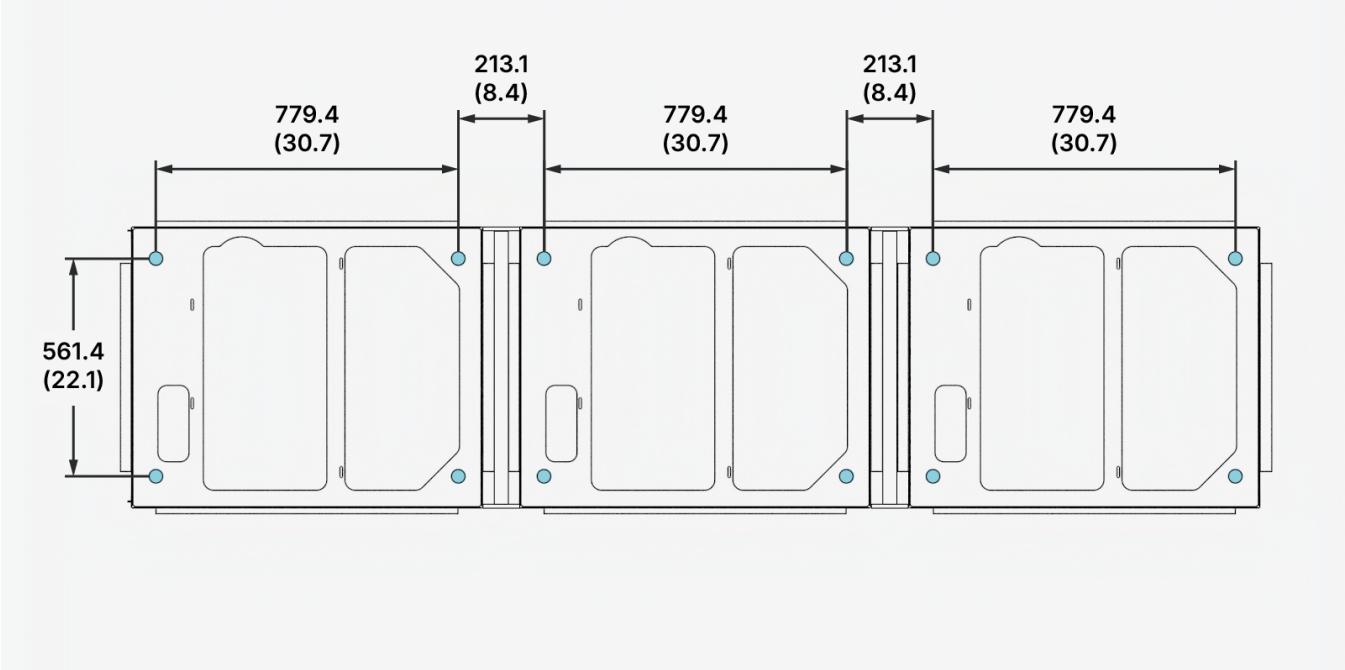
NOTE: Images given in this section are not to scale. Measurements appear in metric units (mm), followed by imperial equivalents (inches).

Power Block 2000 mounts over four anchor bolts embedded in a concrete pad. The anchor bolts must align with the anchor bolt hole pattern shown below. The figures show top-down views of the cabinet bottom plate and the corresponding anchor bolt hole locations.

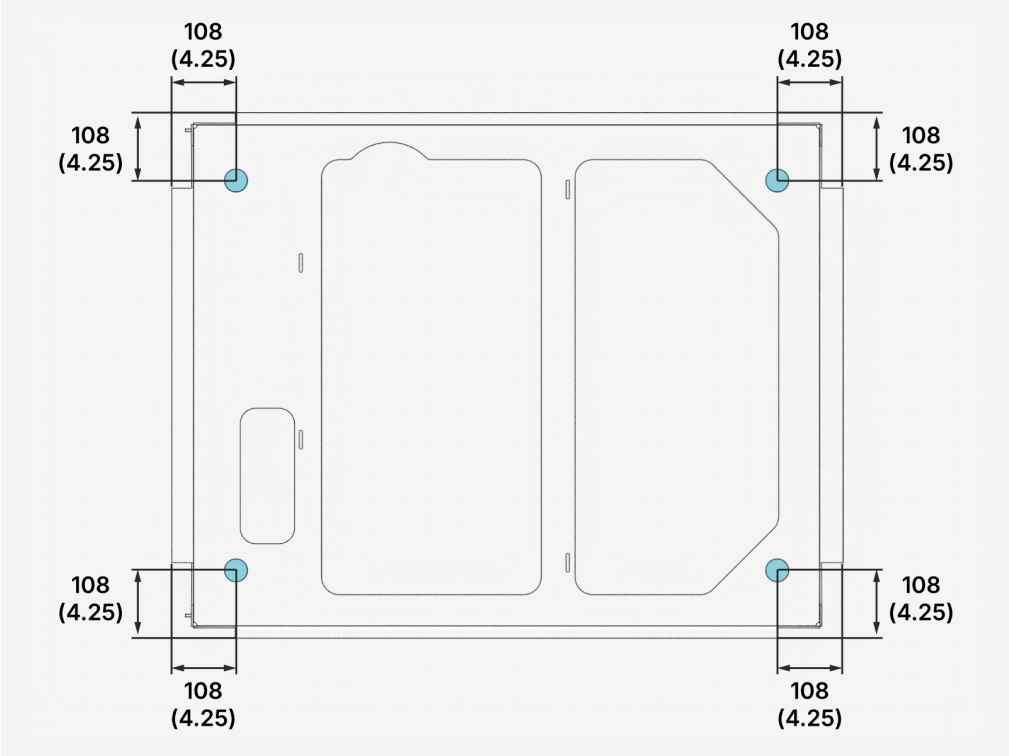
Single cabinet anchor bolt pattern:



Multi-cabinet anchor bolt pattern:

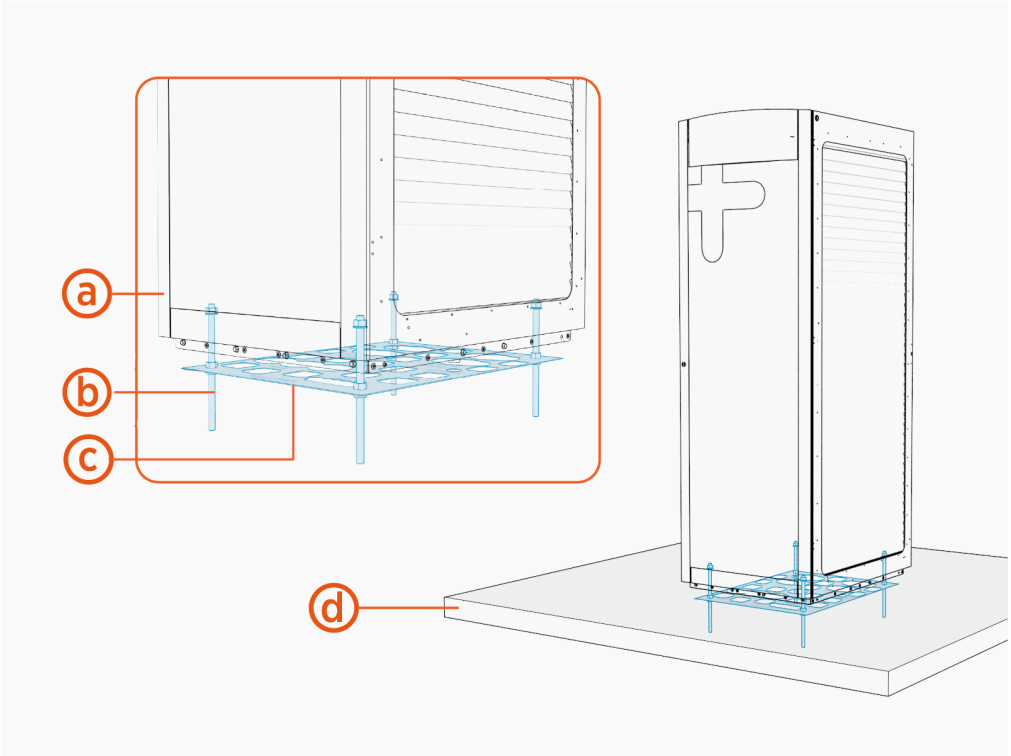


The distance from the center of each anchor bolt to its adjacent enclosure walls is 108 mm (4.25 in).



Standard Mount

The most common mounting method for Power Block 2000 is a new pad installation using a Concrete Mounting Template (CMT) and conduit stub-up wire entry.



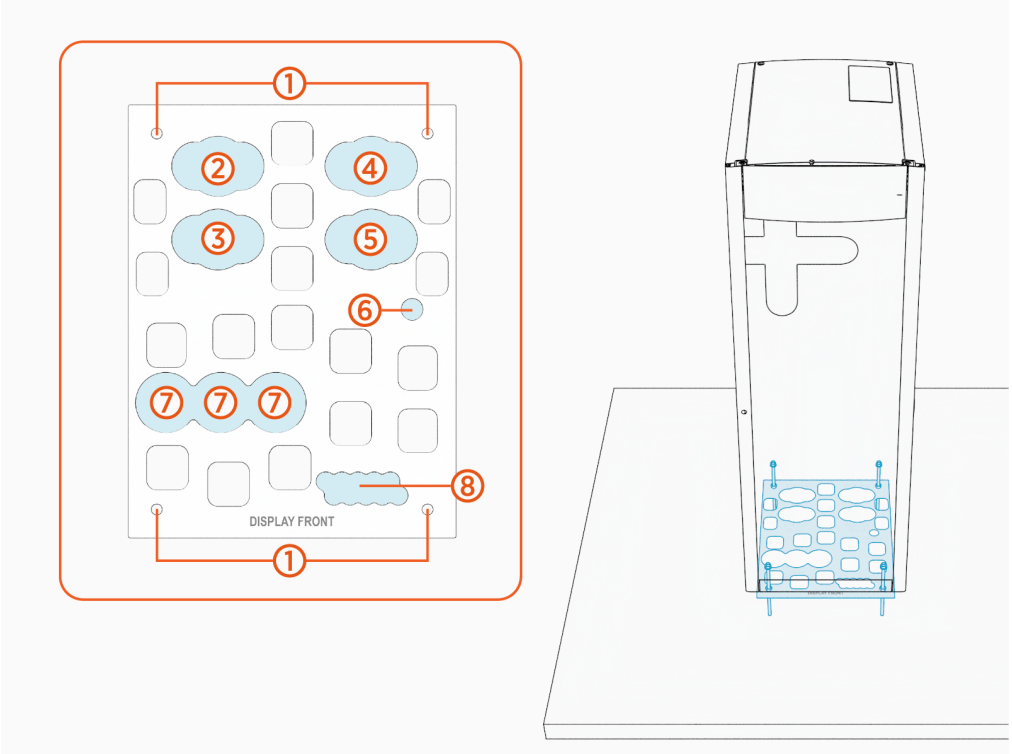
- The Power Block 2000 **(a)** mounts onto four M20 anchor bolts **(b)** exposed 127 mm (5 in) above the concrete pad.
- The CMT **(c)** is embedded into a newly poured concrete pad **(d)** to align anchor bolts and underground stub-up wiring conduits. (Conduits are not shown in illustration.)

IMPORTANT:

- The CMT is shipped separately and must be assembled onsite before pouring the concrete pad.
- One CMT is required beneath each Power Block 2000 cabinet.
- The CMT must be embedded with its top panel positioned 51 mm (2 in) below the concrete surface.

Concrete Mount Template

The Power Block 2000 concrete mount template (CMT) positions the anchor bolts and wire entry points as shown below.



Ref	4 DC Output	8 DC Output
(1)	M20 anchor bolts	
(2)	EXT D wires	EXT G and EXT H wires
(3)	EXT C wires	EXT E and EXT F wires
(4)	EXT B wires	EXT C and EXT D wires
(5)	EXT A wires	EXT A and EXT B wires
(6)	Shunt trip wires	
(7)	AC input wires	
(8)	48 V DC output, Ethernet, and Safety Hub wires	

For conduit quantity and size requirements, refer to Conduit Requirements.

Surface Mount

Power Block 2000 may be installed on an existing concrete surface in accordance with the following guidelines:

- The concrete surface must be inspected and approved by a structural engineer using the structural parameters given in Existing Pad Structural Analysis Parameters.

  IMPORTANT: Verify the anchor bolt embedment for structural strength.

- The anchor bolts must be installed in the concrete surface as follows:
  - Anchor holes are drilled into the concrete using the anchor bolt pattern given in Anchor Bolt Pattern. The holes are drilled to a depth so that 127 mm (5 in) of each anchor bolt is exposed above the concrete pad.
  - Anchor bolts are epoxied into the holes. Use an epoxy with a minimum bonding strength of 11.7 MPa, compressive strength of 82.7 MPa minimum, and tensile strength of 49.3 MPa minimum. Examples include Hilti HIT-RE 500 V3 (normal cure) or Hilti HIT-HY 200-A (fast cure).

    NOTE:
    - Epoxy is required only if embedding anchor bolts into an existing concrete pad. It is not applicable for a new concrete pour with CMT.
    - Different epoxy types have different cure times at various temperatures. Check local temperatures for the site in advance to help choose an appropriate epoxy.

- The anchor bolts must be hot dip galvanized. In coastal or other high-corrosion environments, consult a corrosion specialist to determine an appropriate bolt material and coating system.
- Surface mounted Power Block 2000 must utilize surface conduit entry.

Surface Conduit Entry

Power Block 2000 can be installed on a platform for surface conduit entry. Contact ChargePoint for more information.

Drainage

Ensure any site slopes, walls, or fencing do not trap water around the installation site.

Flood Plane

Power Block 2000 is designed for a 61 mm (2.4 in) flood plane. If the site has a flood plane greater than 61 mm (2.4 in) for a 100-year flood event, consider installing Power Block 2000 on a raised concrete pad.

WARNING: Exposing Power Block 2000 to over 61 mm (2.4 in) of standing water could create an electrocution, shock, or fire hazard.

If a Power Block 2000 has been exposed to standing water, cut power to the component and contact ChargePoint before the component is powered on.

Clearances

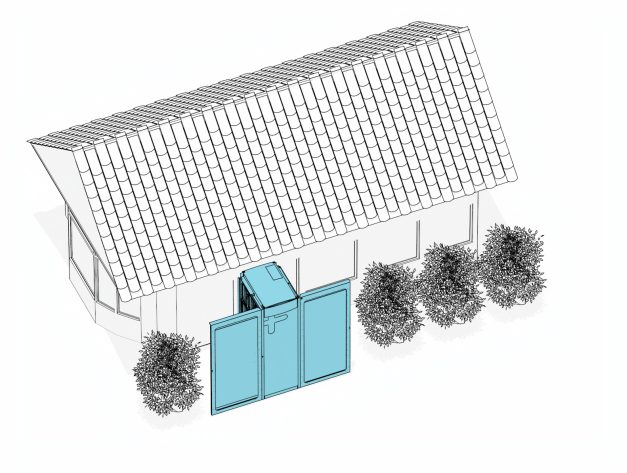
Power Block 2000 has clearance requirements on its intake (right) and exhaust (left) sides for installation, service, maintenance, and ventilation.

The side doors can be swung open on their hinges, allowing for convenient access for service and maintenance. If needed, the doors may be removed from the cabinet for service access.

In some installation scenarios, an opened side door may obstruct access to the cabinet, such as shown below (Option 1). Installing the cabinet rotated 180 degrees (Option 2) allows full service access without door removal.

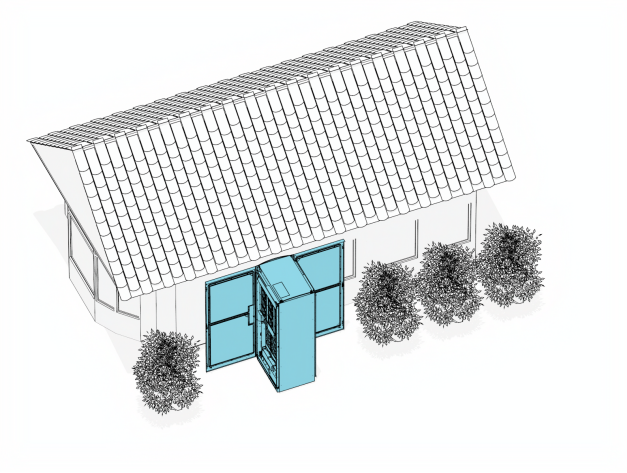
Option 1

Service Access: Blocked (door removal required)



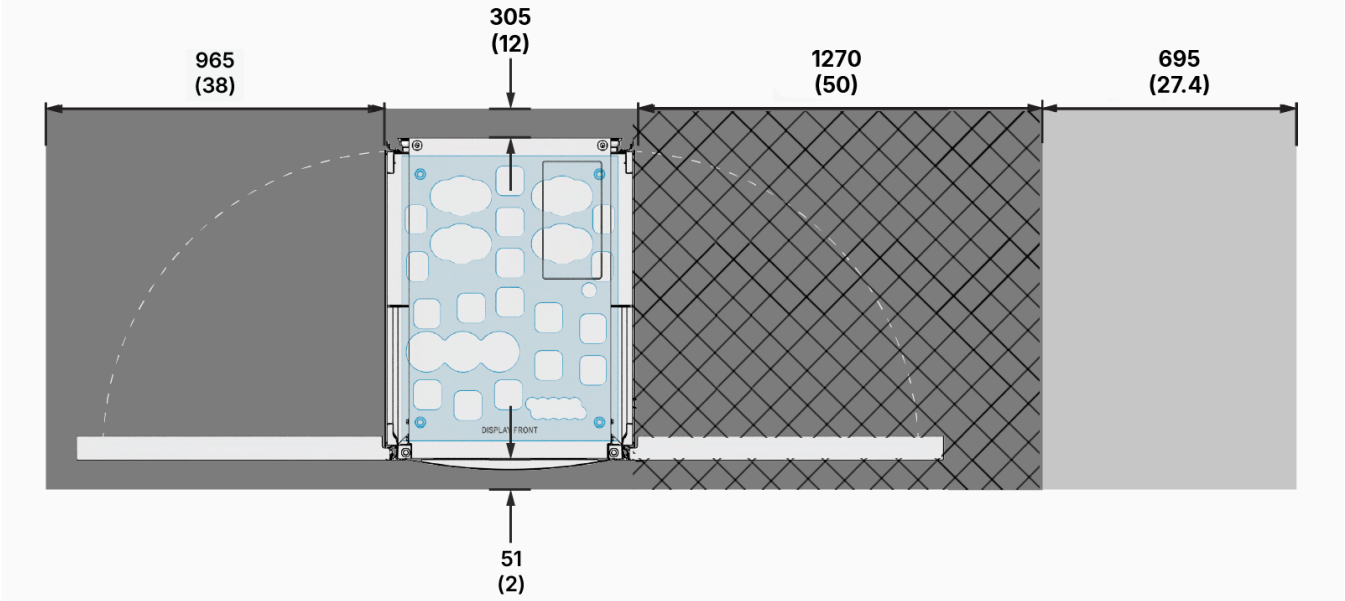
Option 2

Service Access: Clear



Mandatory and recommended clearance requirements for the single-cabinet Power Block 2000 are given below. The figure shows a top-down view of the Power Block 2000 cabinet overlaid on the CMT.

NOTE: Images given in this section are not to scale. Measurements appear in metric units (mm), followed by imperial equivalents (inches).



Mandatory clearance area

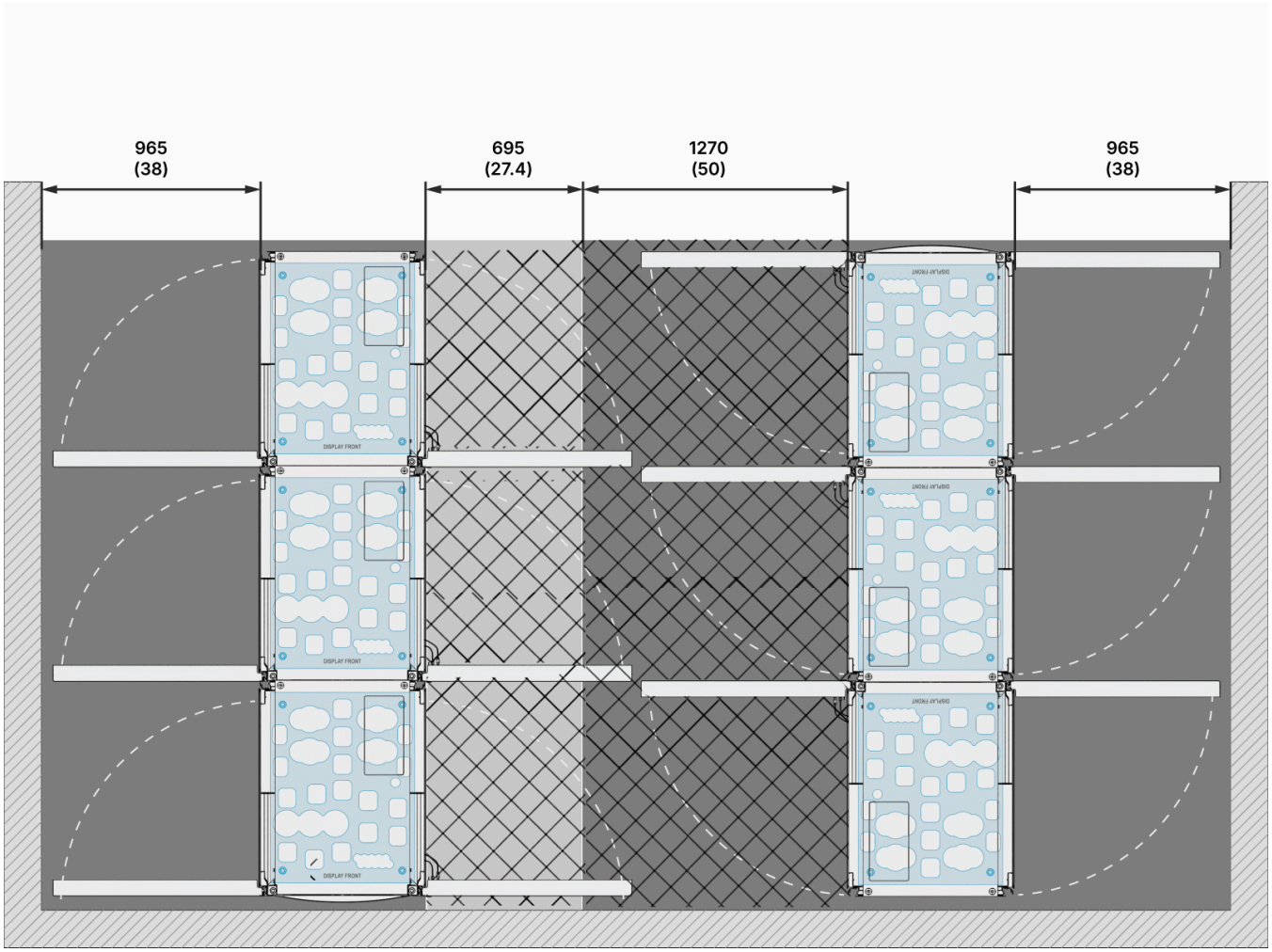
Mandatory service cart access area (hardscaped)

Recommended additional clearance area

The recommended additional clearance improves serviceability. If this clearance is not available, the door may need to be removed during service.

IMPORTANT: The mandatory clearance area, mandatory service cart access area, and recommended additional clearance area (if opted) must remain free of obstructions, and the ground within these areas must be firm, stable, at grade (+/- 13 mm or 0.5 in), and free of abrupt elevation changes. The mandatory service cart access area must additionally be hardscaped so that it provides a smooth, load-bearing surface suitable for maneuvering and supporting a wheeled service cart carrying a power module. The combined weight of the service cart and power module may be up to 136 kg (300 lb). A continuous, unobstructed path at least 1270 mm (50 in) wide must be provided to the mandatory service cart access area. Failure to maintain the required clearance areas, access path, or surface conditions may impede or prevent service operations and may result in equipment damage.

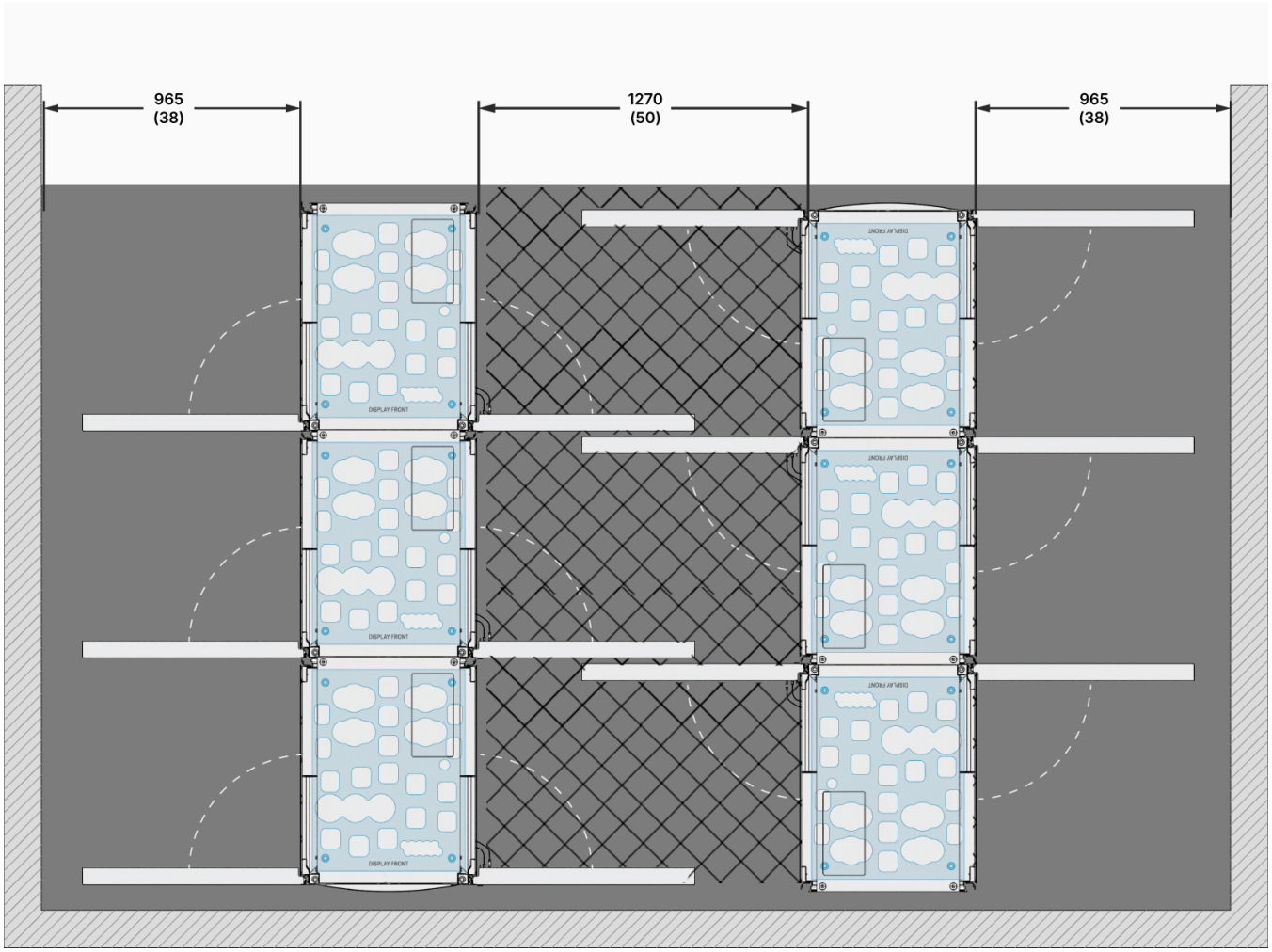
Power Block 2000s installed side by side may share clearance areas, as shown below. When installing multiple rows of cabinets, orient the rows so that the air intakes face each other to ensure proper thermal management.



Mandatory clearance area
Mandatory service cart access area (hardscaped)
Recommended service cart access area (hardscaped)
Wall, fence, or other obstruction

NOTE: When sharing side clearances, the recommended additional clearance area is highly advised.

The figure below shows the minimum footprint for two triple-cabinet Power Block 2000s installed side by side.



Mandatory clearance area

Mandatory service cart access area (hardscaped)

Wall, fence, or other obstruction

NOTE: In the minimum footprint layout shown above, the surrounding wall limits access, so the doors must be removed for service at two of the aisles.

Additionally, follow the clearance guidelines below:

- The status LEDs must not be obstructed from view. See Exterior Parts for the location of the status LEDs.
- After site make-ready, the only way to confirm that clearance requirements have been met is to inspect the position of the anchor bolts. See Anchor Bolt Pattern for the distance between the anchor bolts and the cabinet walls.
- Check local and regional codes for any additional clearance requirements regarding safety, high

voltage equipment, and accessibility requirements.

- For any questions about allowable layouts, contact ChargePoint.

Bollards

Bollards are not explicitly required by ChargePoint. If applicable, ChargePoint recommends these best practices and considerations when designing bollards for the site:

- Permanent bollards must not encroach upon the clearance areas described in Clearances.
- Removable bollards are allowed if service personnel have the ability to move them as needed.

Bollards and wheel stops each has advantages and disadvantages. Factors to consider include: cosmetics, usability, accessibility and vehicle types.

Wheels stops offer the following advantages:

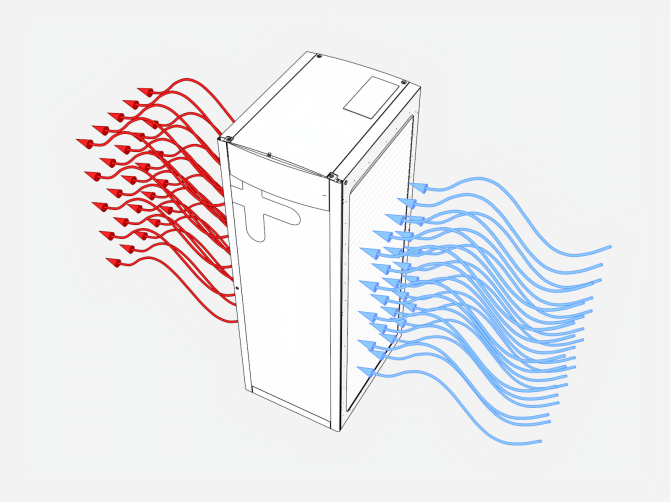
- Clean look
- Less chance of cables getting tangled with bollards

Bollards offer the following advantages:

- Larger vehicles and sites with mixed vehicle sizes that have different overhangs (trucks vs. light duty vehicles)
- More visibility while backing up

Ventilation

Intake vents are located on the right side of the Power Block 2000, and exhaust vents are on the left side when facing the front of the cabinet. When positioning multiple Power Block 2000s, position intake and exhaust sides of the cabinet to avoid recirculation.



NOTE: Power Block 2000 requires 33 kW (112,600 BTU/hr)) of heat rejection.

Signage

Refer to local and regional code to design the following elements for the site:

- Any required re-striping of parking spaces
- EV or Accessible EV signs
- EV or Accessible EV paint markings on and around the parking spaces

Electrical Design 4

This section provides electrical design guidelines for Power Block 2000.

Electrical Supply Requirements

This section provides electrical supply requirements for Power Block 2000.

Transformer Configuration

The table below provides the transformer configuration:

Parameter	Transformer Configuration	
	US	Canada
Input rating	480 V AC, 3-phase, 1000 A, 60 Hz	600 V AC, 3-phase, 900 A, 60 Hz
Electrical service configuration	480 V AC 3-phase grounded WYE (Y) configuration 480 V AC 3-phase Delta (D) configuration (corner-grounded Delta transformer) is not acceptable	600 V AC 3-phase grounded WYE (Y) configuration 600 V AC 3-phase Delta (D) configuration (corner-grounded Delta transformer) is not acceptable
Product connection	Power Block 2000 must be connected to L1, L2, and L3 (neutral not required)	

IMPORTANT: Power Block 2000 is available in two factory configurations: with a Neutral landing or without one. A Neutral connection is not required for standard charging applications. However, some Vehicle-to-Grid (V2G) systems rely on phase-to-neutral voltage measurements for control functions. When planning a V2G deployment, contact ChargePoint to ensure the correct Power Block 2000 configuration is selected.

Branch Circuits and Overcurrent Protection

Charging stations are considered continuous load devices (EVs draw maximum load for long durations). Therefore, electrical branch circuits to EV chargers must be sized at 125% of the load on each leg of a 3-phase panel for North American (NA) installations, in accordance with National Electric Code requirements.

When planning multiple EV charging stations, it is best practice to segment non-continuous and 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.

Power Block 2000 is available in multiple power ratings:

- In the US: 200 kW, 400 kW, 600 kW
- In Canada: 225 kW, 450 kW, 625 kW, 675 kW

Each Power Block 2000 requires its own circuit breaker. Recommended breaker sizing is given below. Check with local code for breaker size requirements.

IMPORTANT: The breaker sizes in the **100% Rated column** apply only when using circuit breakers and associated equipment that are specifically listed and installed for **100% continuous operation**. Standard circuit breakers are typically applied under the **80% continuous-load** rule. Do not use the breaker sizes in the 100% Rated column unless the upstream overcurrent protection equipment is specifically rated and installed for 100% continuous loading. Consult applicable electrical codes and manufacturer documentation.

Recommended breaker sizing for the US region (480 V AC):

Max. Output Power	Max. Input Current	Recommended 100% Rated Breaker	Recommended 80% Rated Breaker
200 kW	258 A	300 A	350 A
400 kW	515 A	600 A	700 A
600 kW	769 A	800 A	1000 A

Recommended breaker sizing for the Canada region (600 V AC):

Max. Output Power	Max. Input Current	Recommended 100% Rated Breaker	Recommended 80% Rated Breaker
225 kW	232 A	250 A	300 A
450 kW	463 A	500 A	600 A
625 kW	641 A	700 A	850 A
675 kW	691 A	700 A	900 A

IMPORTANT:

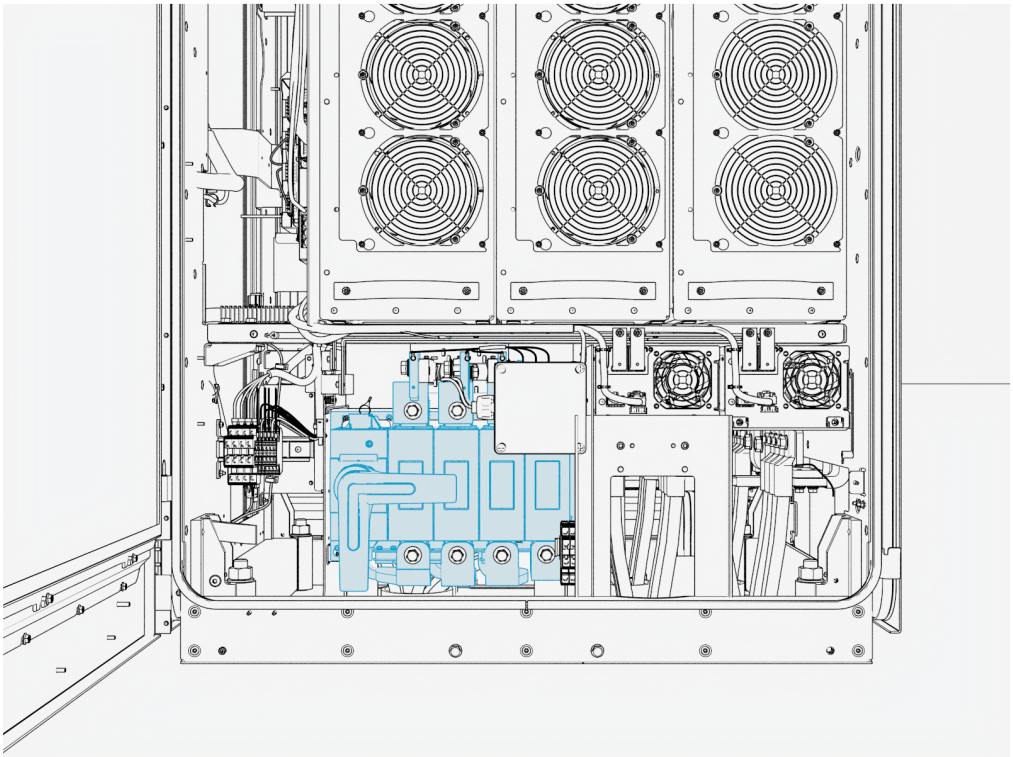
- For upstream breakers ≥ 1000 A, provide GFPE in accordance with NEC and CEC (typically implemented via LSIG breakers).
- For breakers < 1000 A, GFPE is generally not required; LSI or thermal-magnetic breakers may be used subject to coordination requirements.
- Power Block 2000 has a short circuit current rating of 100 kA.

Power Block 2000 is tested to IEC 61000-4-5, Level 5 (6 kV @ 3000 A) standards.

Disconnect and Emergency Shutoff

ChargePoint recommends installing a local AC disconnect switch, separate from the shunt trip wiring, between each cabinet and the electrical panel. A local disconnect is especially important when the main electrical panel or utility room is distant, not within line of sight, or has restricted access.

Power Block 2000 can be ordered with an optional AC disconnect switch. When included, the switch is located on the intake side of the cabinet.



Consult local electrical codes to determine disconnect and emergency shutoff requirements. Recent and upcoming code cycles include significant updates to disconnect and emergency shutoff requirements. Always verify compliance with the latest adopted electrical code.

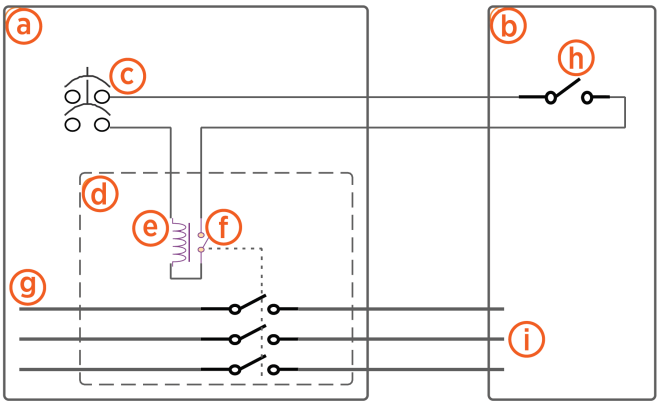
Shunt Trip Wiring (optional)

Each cabinet of Power Block 2000 provides a set of unpowered (dry) contacts to connect to an optional shunt trip device. These contacts are rated to 240 VAC and 6 amps.

Wiring sections to and from Power Block 2000 are deactivated when unsafe conditions are detected, such as unintended cover panel removal. A breaker reset is required any time the shunt trip is activated.

If installed, each cabinet of the Power Block 2000 must be wired to the shunt trip unit of its own upstream circuit breaker. Upstream AC power must be shut off at the panel to remove shock risk inside the Power Block 2000. All shunt trip behavior is already hard-coded into the Power Block 2000 and has no programmable variables.

Emergency stop devices are governed by local and regional codes and may be required in some sites. If one is required by code or by the site, confirm specifications with your ChargePoint representative.



(a) Electrical panel

(b) Power Block 2000

(c) Control voltage supply, maximum 240 VAC

(d) Shunt trip circuit breaker

(e) Shunt trip coil

(f) Auxiliary contacts (closed when main contacts are closed)

(g) 3-phase AC main

(h) Power Block 2000 shunt trip contacts, Normally Open (inside the auxiliary power supply, accessible on field wiring terminal block)

(i) 3-phase Power Block 2000 AC input

Grounding Requirements

Power Block 2000 must be connected to a grounded, metal, permanent wiring system. Ensure a grounding conductor that complies with local codes is properly grounded to earth at the service equipment or, when supplied by a separate system, at the supply transformer.

When connecting Power Block 2000 to Power Links, charging components must be ground bonded in sequence from Power Block 2000 to Power Link.

Check local code to ensure compliance to grounding requirements. Some regions also require a grounding rod to be installed adjacent to each component.

NOTE: The leakage current from Power Block 2000 to the protective earth conductor can reach up to 200 mA.

Soft Shutdown

The soft shutdown function is an optional feature that can be installed as a way to stop a charge session on a Power Block 2000. It is not meant to safely service the Power Block 2000 or take the place of a AC disconnect switch.

Each cabinet of a Power Block 2000 supports connection to a soft shutdown switch.

To use this feature, the installer must select and mount a physical soft shutdown switch (one per Power Block 2000 cabinet) with the following specifications:

- THHN insulation building wire rated to 600 V
- Normally Open (NO) configuration
- Switch current of 2 mA
- Switch voltage of 48 V
- Gold contacts suggested

When creating the site drawings, consider where any soft shutdown switches should be positioned. If applicable, consider disability and accessibility regulations for your region when choosing switch locations.

NOTE: Soft shutdown switch requires a dedicated wire conduit. For more information, refer to Conduit Requirements.

When the switch is closed, the Power Block 2000 software ends the current charging session with a normal stop, then opens DC contactors in the Power Block 2000 cabinet. The station stays in this state regardless of station power, not allowing operation. Only a service technician can place the Power Block 2000 cabinet back into service after the switch is reset to Open.

WARNING: The external DC output wires from the Power Block 2000 could still be energized with the switch closed.

Safety Hub

Safety Hub is a Power Block 2000 feature that provides continuous electrical-isolation monitoring to enhance system safety. When required, Safety Hub uses a dedicated twisted-pair connection routed from the Power Block 2000 Safety Hub Board to each associated Power Link. These conductors may share the same conduit as the 48 V DC and Ethernet wires serving the Power Links.

Safety Hub wiring requirements vary by Power Link model. Depending on the specific Power Link used in the installation, one of the following configurations will apply:

- Some Power Link models require a direct Safety Hub twisted-pair connection between the Power Block 2000 Safety Hub Board and the Power Link.
- Other Power Link models do not require a Safety Hub wire connection. For these models, a jumper wire must be installed on the Power Block 2000 Safety Hub Board instead of running twisted-pair wiring to the Power Link. This jumper is supplied with the Power Link and does not need to be sourced separately. Installation details are provided in the *Express Distro Power Block 2000 Installation Guide*.

Refer to the site design guide and installation guide of the Power Link model specific to your project to determine whether Safety Hub twisted wire connection is required.

Wiring and Conduit Requirements

Refer to the *Express Distro Power Block 2000 Datasheet* at ChargePoint Product Reference Documentation for full product specifications. Using that data, ensure that the installation location is equipped with service wiring that support the station's power requirements.

Conduit and wire size are determined based on current. Service wiring in conduit or armored cable must be run as required 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.

NOTE:

- All wiring and conduit is supplied by the contractor unless otherwise indicated.
- For V2G and energy storage applications, contact ChargePoint for wire and conduit requirements.

Wire Run Lengths

Wire run length guidelines are given below:

- The maximum total external DC output wire run length from a Power Block 2000 to a connected Power Link 2000 must not exceed 200 m (656 ft). Refer to the cluster configuration provided by ChargePoint for interconnect details.
- 48 V DC wire and Ethernet run length between Power Block 2000 and a Power Link must not exceed 200 m (656 ft).
- At minimum, there must be one 48 V DC wire pair connecting from the Power Block 2000 to each Power Link. If the distance between the Power Block 2000 and a Power Link exceeds 100 m (328 ft), contact ChargePoint to determine if an additional 48 V DC wire pair must be run to compensate for voltage drop.

Ethernet Cable Type and Configuration

Specifications for Ethernet cable type and configuration are given below:

- For Ethernet communications between any two nodes (for example, between a Power Block 2000 and a Power Link):
  - For distances up to 100 m (328 ft): use outdoor-rated Cat6 Shielded Twisted Pair (STP) cable. Lesser grades of cable do not provide the required noise immunity.
  - For distances between 100 m (328 ft) and 200 m (656 ft): use the Paige OSP Shielded GameChanger cable (see paigedatacom.com/gamechanger) or other extended-reach cable rated for 200 m (328 ft).
- An Ethernet cable run between a Power Block 2000 and a Power Link must have the shield terminated only at the Power Block 2000 end, not at the Power Link end.

Conduit Requirements

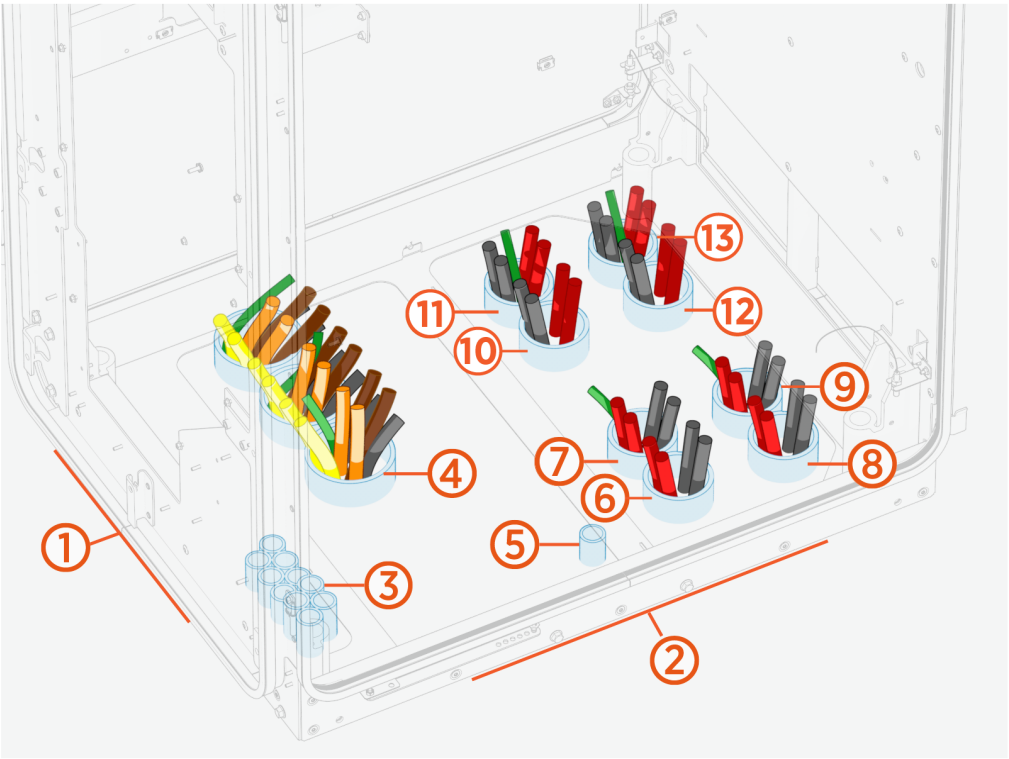
In regions that use conduits, wire conduits may enter Power Block 2000 through a Concrete Mount Template (CMT) or through a skid via conduit stub-ups. In regions that do not use conduits and/or use armored cables, the cables may be laid per the conduit layout defined by the CMT.

If using conduits:

- Conduits must be sealed to maintain a Pollution Degree 2 environment.
- Conduits must not have bell ends. Conduits with bell ends may interfere with tolerances inside the Power Block 2000.
- If using conduit stub-ups (ie., not using surface conduit entry), conduits must stub-up 13–25 mm (0.5–1 in) above the mounting surface.

Below is a sample depiction of wire entry via conduit stub-ups.

IMPORTANT: Conduit and wire size and quantity are shown for illustrative purposes only. The actual quantity and size of conduits and wires for your specific site may vary and shall depend on site specific requirements.



Ref	4 DC Output	8 DC Output
(1)	Cabinet front side	
(2)	Cabinet intake (right) side	
(3)	48 V DC, Ethernet, and Safety Hub	
(4)	AC input	
(5)	Shunt trip	
(6)	EXT A	EXT A
(7)		EXT B

Ref	4 DC Output	8 DC Output
(8)	EXT B	EXT C
(9)		EXT D
(10)	EXT C	EXT E
(11)		EXT F
(12)	EXT D	EXT G
(13)		EXT H

IMPORTANT: The following table provides the maximum size and quantity of conduits that can be installed on Power Block 2000 configured for standard wire entry. The actual conduit size and quantity must be chosen based on site specific wiring requirements.

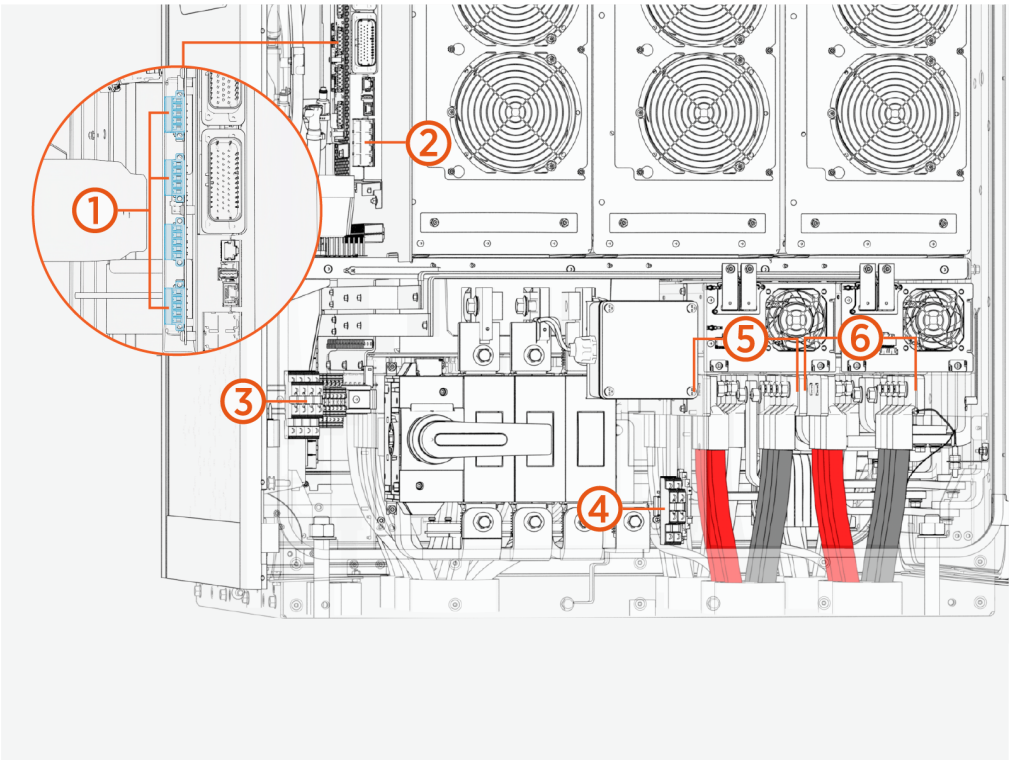
Conduits For	Conduit Quantity x Trade Size
AC input	3 x 4 inch max. or 4 x 2.5 inch max.
Exernal DC output (E.g. EXT A, EXT B, EXT C, EXT D)	1 x 4 inch max. per output or 2 x 3 inch max. per output
48 V DC, Ethernet, and Safety Hub (*)	1 x 1 inch to each Power Link 1 inch size conduit is required. The quantity of conduits will depend on the configuration.
Optional Features (Soft shutdown switch and shunt trip)	1 x 3/4 inch max. per feature

NOTE: (*) 48 V DC, Ethernet, and Safety Hub wires travel in the same conduit when connecting Power Block 2000 to a Power Link. Safety Hub wires are required for only for certain models of Power Link. Refer to the site design guide and installation guide of the Power Link model specific to your project to determine whether Safety Hub twisted wire connection is required.

Wire Terminal and Bus Bar Locations

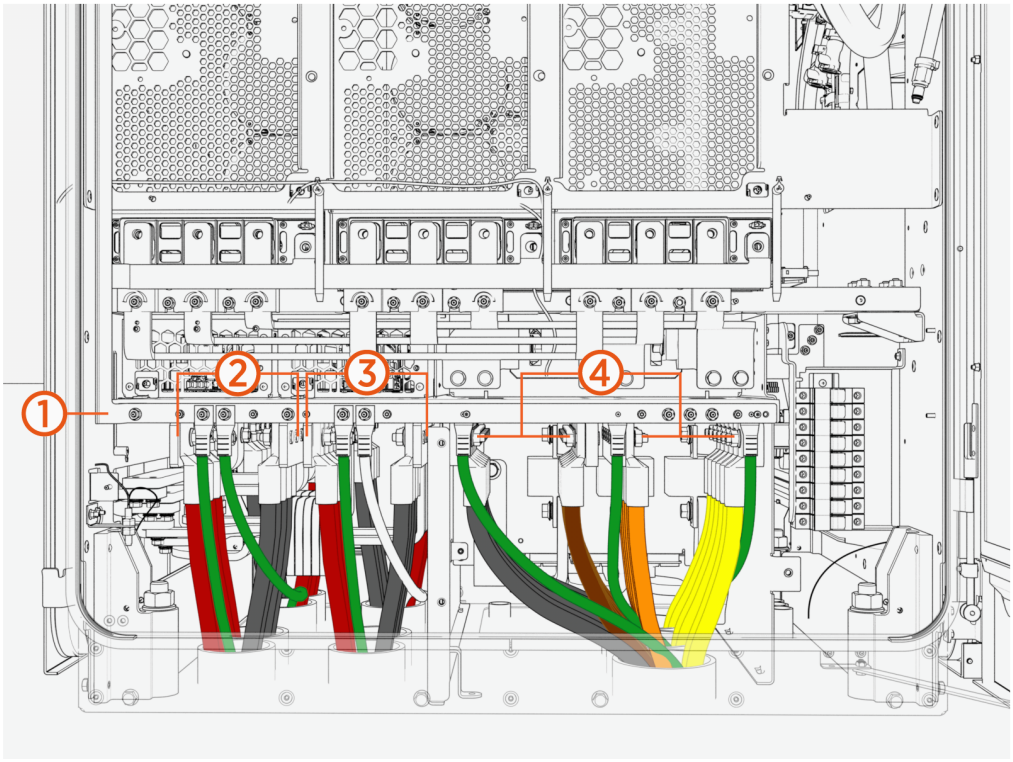
NOTE: This section illustrates terminal and bus bar locations for the Power Block 2000 in a 4 DC output configuration. Illustrations for 8 DC output and 12 DC output configurations will be provided in a future revision.

The following identifies the wire ports, terminals, and bus bars accessible from the intake side (right side) of each Power Block 2000 cabinet. (Safety shields are hidden from view.)



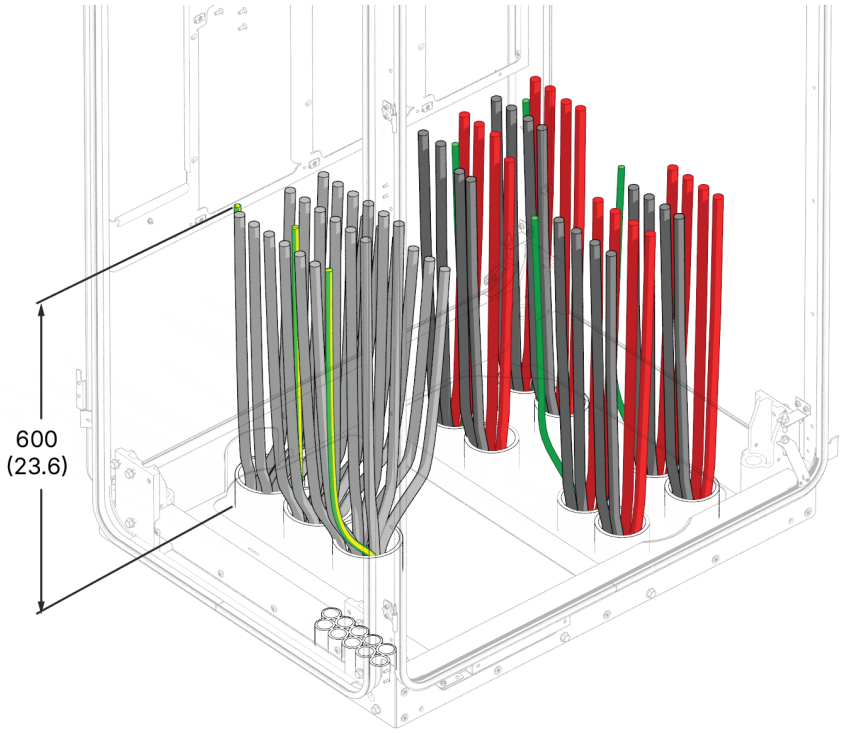
Ref	Part
(1)	Safety Hub ports
(2)	Ethernet ports
(3)	Terminal block for 48 V DC and soft shutdown switch wires
(4)	Shunt trip terminals
(5)	EXT A bus bars
(6)	EXT B bus bars

The following identifies the wire ports, terminals, and bus bars accessible from the exhaust side (left side) of each Power Block 2000 cabinet. (Safety shields are hidden from view.)



Ref	Part
(1)	Ground/PE bar (with wire landing studs)
(2)	EXT D bus bars
(3)	EXT C bus bars
(4)	AC input (L1, L2, L3) and neutral bus bars

AC input and external DC output conductors must extend a minimum height of 600 mm (24 in) from the finished mounting surface to ensure they reach their landings.



Wire Specifications

IMPORTANT: The requirements and specifications in this section reflect what is supported by Power Block 2000. When Power Block 2000 is connected to another ChargePoint product, such as a Power Link charging dispenser or battery, conductor characteristics may be further constrained by the connected product. Refer to the site design guide for each connected product and follow the most stringent requirements.

The following table summarizes the conductor requirements for each circuit.

Circuit / Application	Min. Conductor Voltage Rating	Number of Poles	Insulation Type	Conductor Material / Min. Temperature Rating
AC Input	600 V AC	3 + PE	Must be THHN/THHW/THW-2/THWN-2, based on the installation environment (e.g., dry, damp or wet conditions)	Must be copper or aluminum, rated for 90°C (194°F)
External DC Output	1000 V	2 + PE	Must be XHHW / XHHW-2, based on the installation environment (e.g., dry, damp or wet conditions)	Must be copper or aluminum, rated for 90°C (194°F)
48 V DC Output	300 V	2	Select type to be suitable for the installation environment (e.g., dry, damp or wet conditions)	Copper wire only
Shunt Trip	Same voltage rating as AC input conductors (due to routing proximity to power conductors)	Twisted pair		
Safety Hub	300 V	Twisted pair		

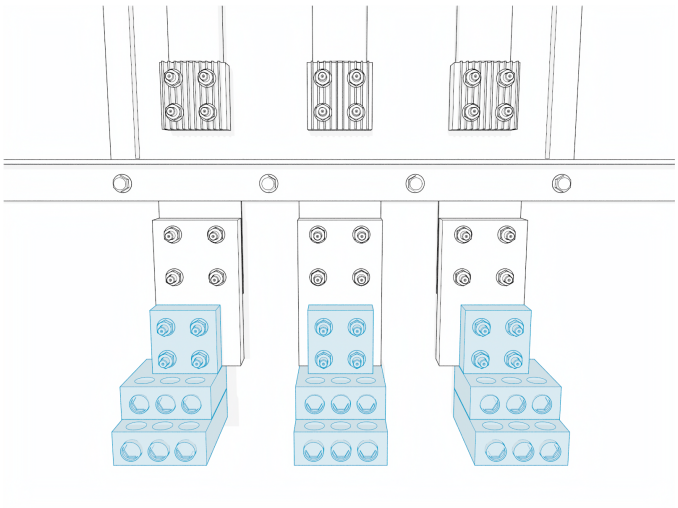
IMPORTANT: Following are wire design specifications for Power Block 2000, including the maximum quantity and size that the wire terminals can accommodate. All sizing assumes a maximum ambient temperature of 50 °C (122 °F). Where the maximum wire size is listed, the actual wire quantity and size must be chosen based on site-specific wiring requirements and in accordance with the maximum allowed conduit filling rate per local code.

Wire	Max. Current	Quantity	Size
AC input (US)	200 kW unit: 258 A 400 kW unit: 515 A 600 kW unit: 769 A	Max. 18 wires (six per phase)	Max. 300 MCM
AC input (Canada)	225 kW unit: 232 A 450 kW unit: 463 A 625 kW unit: 641 A 675 kW unit: 691 A		
AC ground (PE)	-	Max. 3 wires (1 per AC conduit)	Refer to local code for size
External DC outputs (E.g., EXT A, EXT B, EXT C, EXT D)	250-600 A, depending on Power Link model and configuration	Max. 8 wires per output (four per pole)	Max. 300 MCM (*)
DC grounding	-	Max. 2 wires per DC output (1 per output conduit)	Refer to local code for size
48 V DC output	32 A	Max 4 wires per connected Power Link (2 wire pairs; each pair has one wire per pole) (**)	6 AWG
Ethernet	-	1 per connected Power Link 1 for hardwire Ethernet (if needed)	Outdoor-rated Cat6 STP or Paige OSP Shielded GameChanger (***)
Safety Hub	-	2 wires per connected Power Link (****)	14 AWG
Soft shutdown switch	-	2 wires	14 AWG
Shunt trip	6A	2 wires	14 AWG

NOTE: (*) If Aluminum AA8000 conductors are used, max. 400 MCM can be accommodated. (**) The required number of 48 V DC wire pairs depends on the distance between Power Block 2000 and Power Link. See Wire Run Lengths. (***) The required Ethernet cable type depends upon the cable run length. See Ethernet

Requirements. (***) The required Ethernet cable type depends upon the cable run length. See Ethernet Requirements. (****) Safety Hub is required only for certain models of Power Link. Refer to the installation guide of the Power Link model specific to your project to determine if Safety Hub twisted wire connection is required.

For AC input, Power Block 2000 allows a maximum of 18 total current carrying conductors. If utilizing this wiring configuration, install spreader bars at the breaker or transformer to split the outputs across the high number of conductors.



After pulling conductors through conduit, all AC input and external DC output conductors must undergo insulation resistance testing to verify that insulation has not been damaged during the pull.

Plan for lugs and terminations using the following information:

- Use copper lugs for copper conductors and aluminum lugs for aluminum conductors. The lugs must be nickel-, tin-, or silver-plated compression lugs (not mechanical lugs). Nickel-plated lugs installed with dielectric grease are recommended.
- When using aluminum lugs, ChargePoint recommends applying an appropriate antioxidant compound to aluminum conductors when terminating into tin-, nickel-, or silver-plated lugs, where required by code or specified by the lug manufacturer.

Wire	Termination
AC input	Lug: Compression lug; short barrel and tongue with single hole sized for M12 (0.5 in) stud Max. tongue width: 36 mm (1.3 in).
AC PE/ground	Lug: Short barrel and tongue with single hole sized for M6 (0.25 in) stud
External DC output	Lug: Compression lug; short barrel and tongue with single hole sized for M12 (0.5 in) stud. Max. tongue width: 36 mm (1.3 in).
DC grounding	Lug: Short barrel and tongue with single hole sized for M6 (0.25 in) stud.
48 V DC output	Stripped wire end or ferrule
Ethernet	RJ45 connector, shielded

Wire	Termination
Safety Hub	Stripped wire end
Soft shutdown switch	Stripped wire end or ferrule
Shunt trip	Stripped wire end or ferrule

Connectivity 5

A consistently strong cellular signal is needed before installers can activate the vehicle charging station. Weak or sporadic signal can affect crucial aspects of the charging station, including:

- Accuracy in reporting
- Ability for drivers to use the mobile app
- Ability for customer support to troubleshoot problems
- Support for advanced features such as Power Management or Waitlist

A strong signal is also required for the ChargePoint Assure maintenance and management programs.

ChargePoint stations use cellular data connections to reach ChargePoint Cloud Services. This allows secure, PCI-compliant data connections without requiring any other form of internet connectivity at an install site or imposing additional network management responsibilities on a site host.

Each station has its own cellular connection.

Signal Strength and Quality

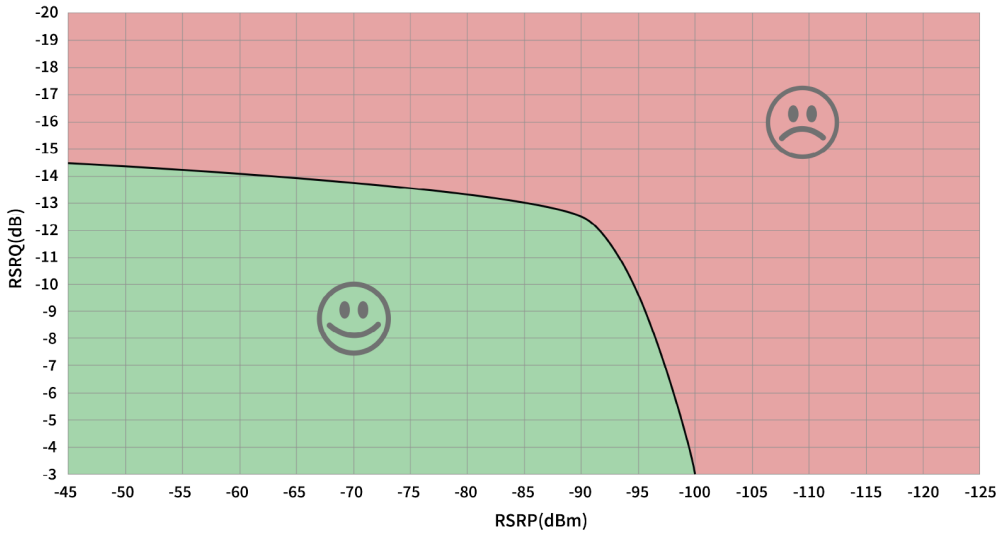
You must use a cellular signal detection device (such as a Siretta Snyper LTE or equivalent) to take signal strength readings at the exact proposed mounting location of the charging station. If the charging station does not have its own cellular connection, take the signal strength reading at the proposed mounting location of the gateway station.

In North America, ChargePoint products all support LTE bands 2, 4, and 5. The most commonly supported carriers to check during site evaluation are:

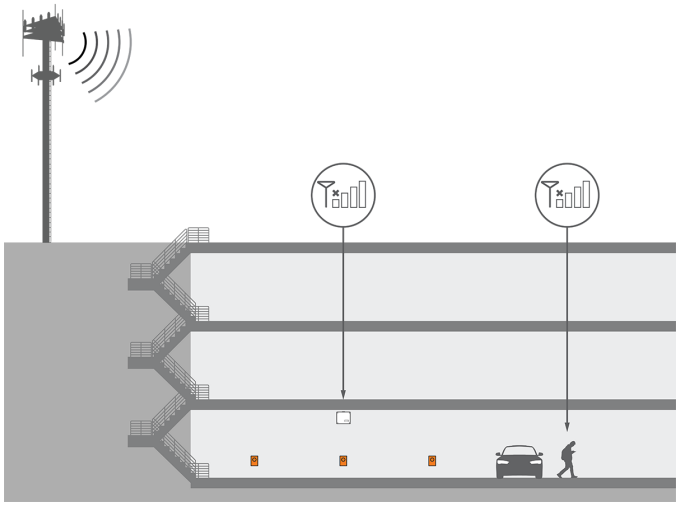
- US: AT&T, T-Mobile, and Verizon
- Canada: Rogers, Telus, and Bell

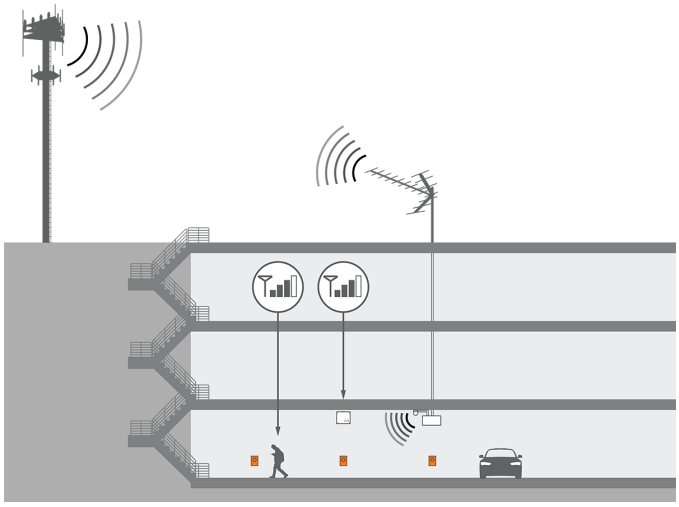
You must test the LTE signal strength at the proposed mounting location of every station and ensure the location meets the minimum RSRQ at -12.5 dB or better, for RSRP measured at -90 dBm or better. Refer to the graph for acceptable combinations.

NOTE: Cellular signal strength is measured in dBm, a logarithmic unit expressed as a negative number. Because dBm values are negative, a value closer to zero indicates a stronger signal. For example, -70 dBm represents a stronger signal than -85 dBm, while -90 dBm indicates a weaker signal than both.



If the signal strength is weaker than this, take cellular readings at the location where any cellular signal booster antennas will be installed. Ensure enough signal exists for that repeater model. Install repeaters to boost the strength of the cellular signals. Repeaters are often required when installing charging stations in an underground garage or enclosed parking structure.





For other regions, or if the site does not have strong signal on these bands, contact your ChargePoint representative for additional solutions.

ChargePoint strongly recommends a consultation with a cellular connectivity specialist before all installations. A consultation can verify:

- Service with a supported carrier on a supported LTE band
- Available signal and local noise levels on applicable bands
- Site changes to correctly meet your needs, both for station bandwidth and other phone coverage for customer or tenant satisfaction

Repeaters

Some sites require repeaters to ensure strong signal to all stations. If a repeater is required, look for a model with these features:

- Specifically LTE-compatible on the listed bands
- Multi-carrier
- Multi-band
- Not already dedicated to FirstNet or other first responder-specific networks
- Auto-gain recommended



NOTE: Do not rely on readings taken with a cell phone when conducting site surveys. Many signal boosters and network extenders may not be compatible with ChargePoint hardware, including certain types of Distributed Antenna Systems (DAS), micro/nano/pico/femto-cells, and carrier- or band-specific signal boosters.

FCC Compliance Statement

Refer to the ChargePoint product nameplate to determine if your product is Class A or Class B.

- **Class A 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.

- **Class B Statement:** This equipment has been tested and found to comply with the limits for a Class B 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 residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

  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.