

Power Link 2000

Express and Express Plus DC Fast Charging Platforms

Site Commissioning Form



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

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



Applicable to EU - 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. Enquire 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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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.



Review Product Documentation

Complete the steps listed here for each Power Link 2000 to ensure it is commissioned as specified. The detailed datasheets, site design guides, and installation guides defining ChargePoint specifications and procedures are available online at: [ChargePoint Product Reference Documentation](#).

Before Beginning Work

ChargePoint charging stations must be installed and serviced only by qualified personnel, equipped with appropriate personal protective equipment and following proper electrical and work practices.

DANGER: RISK OF SHOCK



Before performing any procedure, the technician must disconnect the power to the charging station at the service panel. Follow local code to de-energize the applicable circuit and lockout/tagout the upstream breaker before proceeding. Use a multimeter and check that the power is off. Keep power off for the circuit until all cover panels are correctly reinstalled and the work is complete.

FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN SERIOUS INJURY, LOSS OF LIFE, OR PROPERTY DAMAGE.



NOTE: Commissioning inspection protocols, measurements, and photo documentation must be completed at the same time as station installation and via the ChargePoint Installer app once it is available.

Before removing any station parts:

- Consult with site personnel for access to site and equipment.
- Verify de-energization and lock out / tag out of all power sources to the station as stated in the shock danger warning above.
- Wear appropriate Personal Protective Equipment (PPE) and verify the station is de-energized.



CAUTION: For all sections below, items marked as **Critical** are essential to prevent hazards or equipment damage.

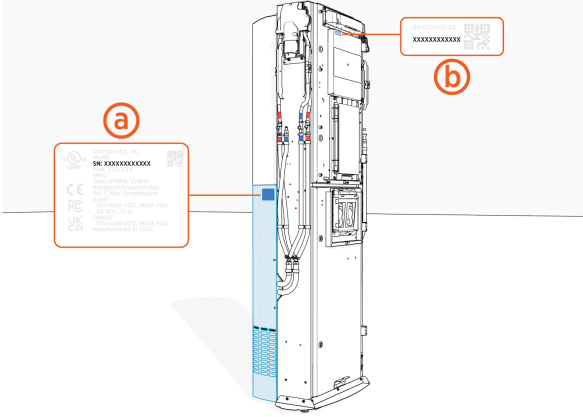
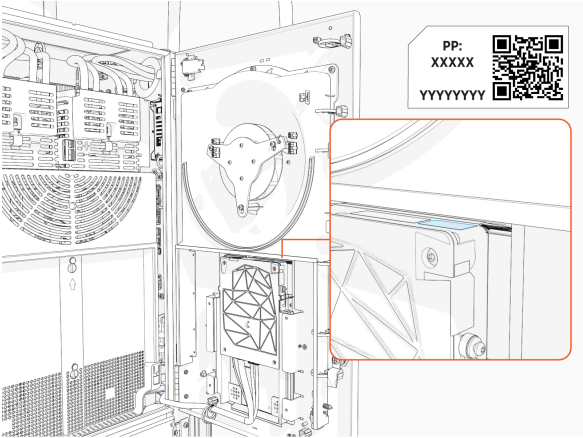
- If a **Critical** item does not pass, complete the full inspection but DO NOT energize the site. Contact ChargePoint for next steps. If a **Critical** item passes, complete the inspection and energize the site as authorized.

- All checks must be completed. Items marked as **Optional** are optional and might not fail commissioning if they are not applicable or separate action can be taken. If an (**Optional**) item is incomplete, describe the reason.
- Items that require photos must be shared according to the following
 - All photos should be sharp and focused on the item being documented.
 - All photos should be JPEG format. Apple's standard HEIC format is NOT acceptable.
 - The aspect ratio should be 16:9 or 4:3 and resolution should be between 5.0 - 12.1 MP.

After Work

- For ChargePoint managed installations, the Site Commissioning Form and related attachments, such as photos and documents can be submitted via the Work Order associated with the specific installation.
- The Installer must always keep a copy of the Site Commissioning Form and related attachments, such as photos and documents, to be submitted to ChargePoint on request.

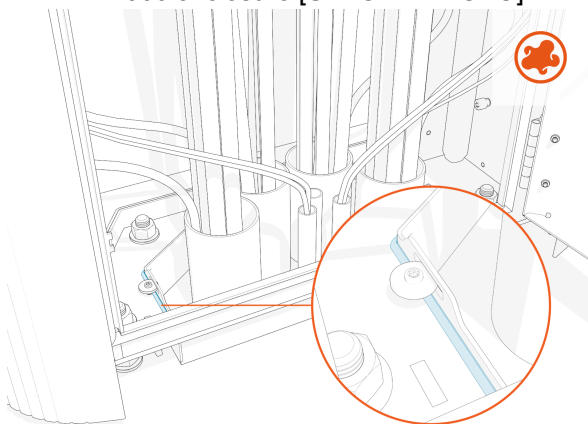
General

	Item	Status/Comments
	1. Station Serial Number [UPLOAD PHOTO]  The diagram shows a vertical Power Link 2000 station. Label (a) points to a white label on the left side of the station, which contains the text 'Station Serial Number' and a QR code. Label (b) points to a white label on the right side of the station, which contains the text 'Station Serial Number' and a QR code.	
	2. Record the station MAC Address (To be read from the CCOM on the top door by removing the clear plastic cover)[UPLOAD PHOTO]  The diagram shows the top door of a Power Link 2000 station. Label (a) points to a white label on the top door, which contains the text 'PP: XXXXX' and a QR code. Label (b) points to a white label on the top door, which contains the text 'YYYYYYY' and a QR code.	
	3. Is the Power Link 2000 connected to a Power Hub or Power Block/s?	Power Hub Power Block/s
	4. Power Hub Serial Number	
	5. No. of Power Block/s connected to the Power Link 2000?	1 2 3 4
	6. Power Block #1 Serial Number	
	7. Power Block #2 Serial Number	
	8. Power Block #3 Serial Number	
	9. Power Block #4 Serial Number	

	Item	Status/Comments
	10. Does the installation include a Surface Conduit Entry (SCE) kit?	Yes No
	11. Type of Power Link 2000 Install:	Overhead Power Link 2000 Pedestal Power Link 2000
	12. Does the Power Link 2000 power a pantograph?	Yes No
	13. Does the installation include a CMK, Tall CMK, Overhead CMK?	CMK Tall CMK Overhead CMK
	14. No. of charging cables connected?  NOTE: No. of charging cable should match the number of Proton modules in the Power Link 2000.[UPLOAD PHOTO]	1 2
	15. [Pedestal Power Link 2000 only] Verify that at each anchor the washer and a concrete bottom nut are installed.[UPLOAD PHOTO]	
	16. [Pedestal Power Link 2000 only] Ensure that at each anchor the leveling nut and washer are installed.	
	17. Verify that the Power Link 2000 is level.	
	18. [Pedestal Power Link 2000 only] Verify all pedestal top nuts are torqued to 95 Nm (70 ft-lb).	
	19. [Overhead Power Link 2000 only] Verify that the mounting bracket is attached to the Power Link 2000 using (x8) M6 screws torqued to 5.6 Nm (50 in-lb).[UPLOAD PHOTO]	
	20. [Overhead Power Link 2000 only] Verify that the Power Link 2000 is mounted with fasteners (x6). Use fasteners specified by the site plan. Check torque to the specification indicated by the site plan.[UPLOAD PHOTO]	
	21. Verify there are no metal shavings inside the Power Link 2000. [UPLOAD PHOTO]	
	22. [Optional] General evaluation Comments:	

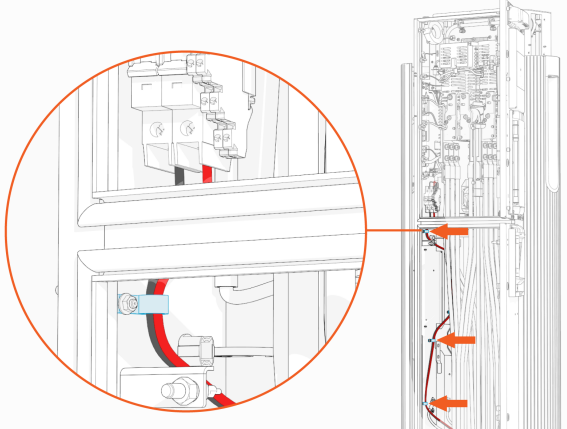
Conduits

	Item	Status/Comments
	1. Record the 48 VDC LV and Ethernet conduit size.	3/4 inch 1 inch
	2. Record HV DC conduit size.	2 inch 2.5 inch

Item	Status/Comments
	3 inch 3.5 inch 4 inch
3. Record the number of HV DC conduits.	1 2 3 4
4. Record the quantity of 48 VDC LV inputs.	1 2
5. Verify all DC and 48 VDC LV / Ethernet conduit stub-ups are minimum 25 mm (1 inch) inside the charger.	
6. Verify that there are no bell ends on any stub-ups.	
7. Verify that the conduit sleeve screws are torqued to 4.5 Nm (40 in-lb), the conduit opening space is enclosed, and supplied duct seal is applied between the conduit sleeve and Power Link 2000 enclosure.[UPLOAD PHOTO] 	
8. Provide a photo of the conduits.[UPLOAD PHOTO]	
9. [Optional] Conduit evaluation comments:	

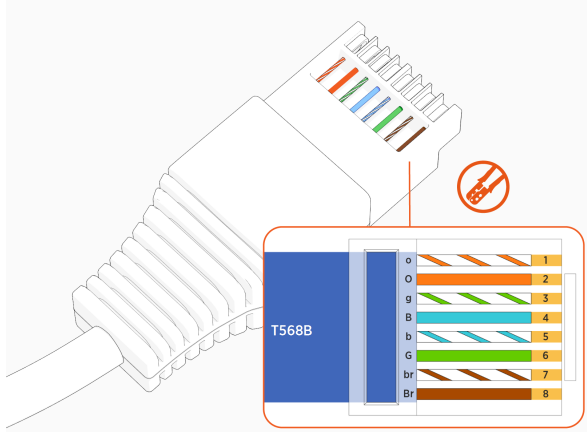
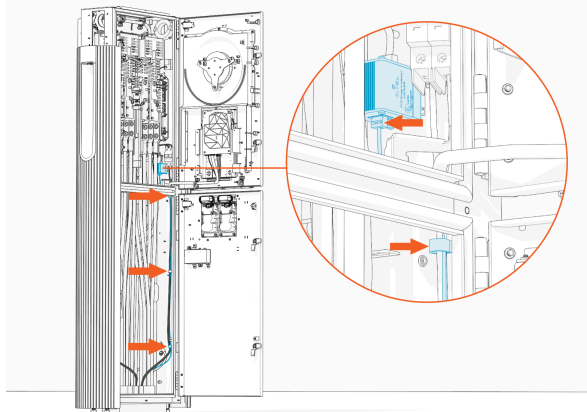
Conductors and Cables

Item	Answer/Comments
1. Record the number of conductors per terminal:[UPLOAD PHOTO]	1 2 3
2. Record HV DC conductor wire gauge:	
3. Record HV DC conductor material:	Al Cu

	Item	Answer/Comments
	4. Record HV DC wire temperature rating:	
	5. Record HV DC wire insulation type:	
	6. Record HV DC wire voltage rating:	
	7. Provide a photo showing the conductor ratings specified above. Include a spec sheet of the conductor if no picture available.[UPLOAD PHOTO]	
	8. Verify that the HV DC cables are permanently labeled.	
	9. Verify that the 48 VDC LV wiring sized 16 mm ² (6 or 8 AWG).	
	10. Verify that the 48 VDC LV wiring is rated for 1000 V / Cu / 75 °C.	
	11. Verify that the 48 VDC LV wires are stripped to 12 mm each.	
	12. Photo showing the 48 VDC LV wires are stripped.[UPLOAD PHOTO]	
	13. Perform a push-pull test on the 48 VDC LV wires terminal to verify they are correctly seated. 	
	14. Perform a push-pull test on 48 VDC LV surge arrestor wires (input and output).	
	15. [Optional] Conductors and cables evaluation comments:	

Express Plus Cluster Communication Cable Specification

	Item	Status/Comments
	1. Verify that an outdoor rated, Cat6, Shield Twisted Pair (STP) Ethernet cable is installed.	
	2. Verify that the Ethernet cable is field-crimped in a straight-through T-568B pattern.	

	Item	Status/Comments
		
	3. [Critical] Verify that the Ethernet cable passes functional testing.	
	4. Verify that the Ethernet cable is: - Terminated using UNGROUNDED RJ45 connectors. - Has no stray wires in the crimp. - Has a maximum run length of 100 m (328 ft).	
	5. [Critical] Verify that Ethernet cable routed from the Ethernet surge arrestor plugs into the right port of CCOM. If the cable is plugged on left port, swap it to right port. 	

Lugs

	Item	Status/Comments
	1. [Critical] Verify that 2-hole compression lugs are used and crimped correctly.	
	2. Verify that dielectric grease is used on all DC lugs.	
	3. [Critical] Verify ChargePoint supplied fasteners are used for	

	Item	Status/Comments
	the DC lugs. A minimum of one washer and a nut is used per bus bar hole.	
	4. [Critical] Spot check that the lugs on each used bus landing are torqued to 19 Nm (168 in-lb) and verify all lugs are torque marked.  NOTE: If any inspected lugs fail the spot check, then all the lugs need to be retorqued and marked.	
	5. Provide a photo of the DC Lug connection.[UPLOAD PHOTO]	
	6. Record the number of ground connections	1 2 3 4
	7. [Critical] Verify the ground wire is landed on one of the ground studs on the sides of the frame.  NOTE: Ground cable should be connected to Power Link 2000 from each Power Block.	
	8. Verify ground lugs are torqued to 5.6 Nm (50 in-lb) and torque marked.	
	9. Record each ground wire impedance.	
	10. Provide a photo of the ground lug connection.[UPLOAD PHOTO]	
	11. [Optional] Lugs evaluation comments:	

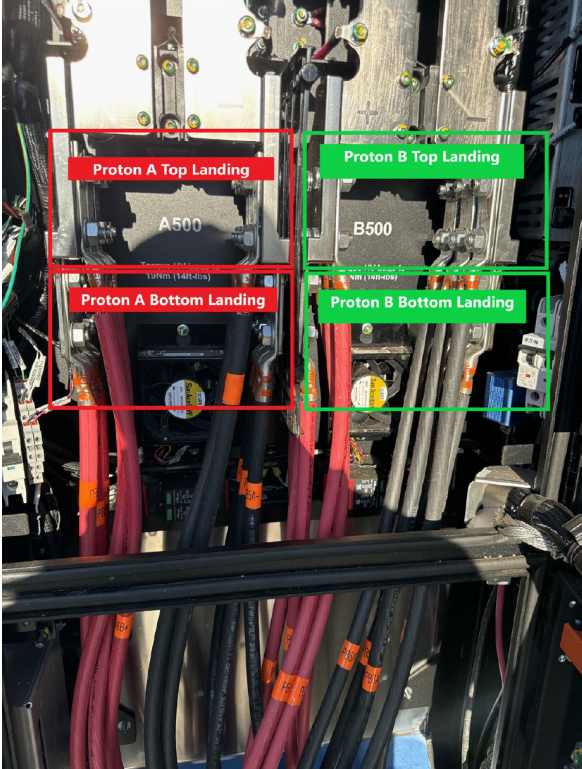
Continuity Testing

	Item	Status/Comments
	1. [Critical] Continuity Test (HVDC): Check continuity using multimeter between A+ and A- in this Power Link 2000.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	2. [Critical] Continuity Test (HVDC): Check continuity using multimeter between A+ and B+ in this Power Link 2000.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	3. [Critical] Continuity Test (HVDC): Check continuity using multimeter between A+ and B- in this Power Link 2000.	Pass (No continuity - open loop [OL]) Fail (Continuity)

	Item	Status/Comments
	4. [Critical] Continuity Test (HVDC): Check continuity using multimeter between A- and B+ in this Power Link 2000.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	5. [Critical] Continuity Test (HVDC): Check continuity using multimeter between A- and B- in this Power Link 2000.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	6. [Critical] Continuity Test (HVDC): Check continuity using multimeter between B+ and B- in this Power Link 2000.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	7. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between A+ and ground. In Power Block #1 check continuity with multimeter between A- and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	8. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between A+ and ground. In Power Block #1 check continuity with multimeter between B- and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	9. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between A- and ground. In Power Block #1 check continuity with multimeter between A+ and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	10. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between A- and ground. In Power Block #1 check continuity with multimeter between B+ and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	11. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between B+ and ground. In Power Block #1 check continuity with multimeter between A- and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	12. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between B+ and ground. In Power Block #1 check continuity with multimeter between B- and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	13. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between B- and ground. In Power Block #1 check continuity with multimeter between A+ and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	14. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between B- and ground. In Power Block #1 check continuity with multimeter between B+ and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	15. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between A+ and ground. In Power Block #2 check continuity with multimeter between A- and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	16. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between A+ and ground. In Power Block #2 check continuity with multimeter between B- and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	17. [Critical] Continuity Test (HVDC): In this Power Link 2000	Pass (No continuity - open

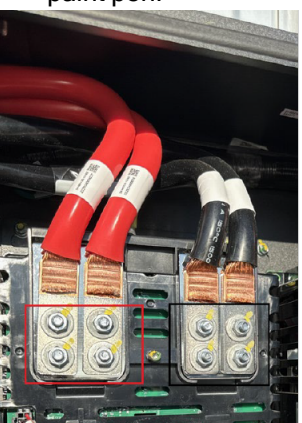
	Item	Status/Comments
	connect a wire between A- and ground. In Power Block #2 check continuity with multimeter between A+ and ground.	loop [OL]) Fail (Continuity)
	18. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between A- and ground. In Power Block #2 check continuity with multimeter between B+ and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	19. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between B+ and ground. In Power Block #2 check continuity with multimeter between A- and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	20. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between B+ and ground. In Power Block #2 check continuity with multimeter between B- and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	21. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between B- and ground. In Power Block #2 check continuity with multimeter between A+ and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	22. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between B- and ground. In Power Block #2 check continuity with multimeter between B+ and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	23. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between A+ and ground. In Power Block #3 check continuity with multimeter between A- and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	24. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between A+ and ground. In Power Block #3 check continuity with multimeter between B- and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	25. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between A- and ground. In Power Block #3 check continuity with multimeter between A+ and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	26. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between B+ and ground. In Power Block #3 check continuity with multimeter between A- and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	27. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between B+ and ground. In Power Block #3 check continuity with multimeter between B- and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	28. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between B- and ground. In Power Block #3 check continuity with multimeter between A+ and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	29. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between B- and ground. In Power Block #3 check continuity with multimeter between B+ and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	30. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between A+ and ground. In Power Block #4 check continuity with multimeter between A- and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)

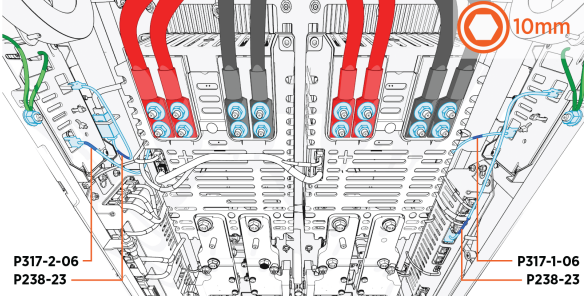
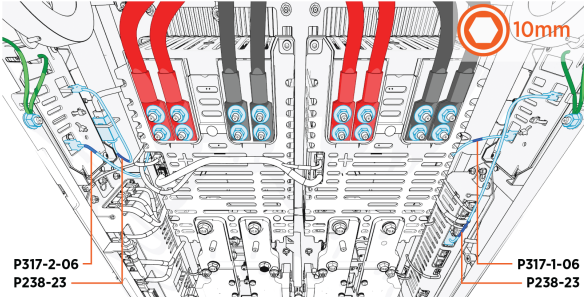
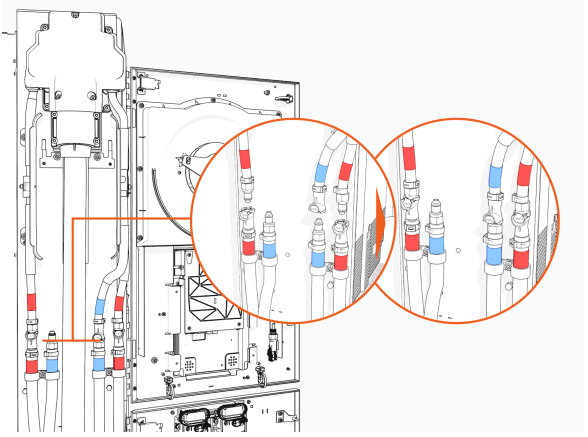
	Item	Status/Comments
	31. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between A+ and ground. In Power Block #4 check continuity with multimeter between B- and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	32. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between A- and ground. In Power Block #4 check continuity with multimeter between A+ and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	33. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between A- and ground. In Power Block #4 check continuity with multimeter between B+ and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	34. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between B+ and ground. In Power Block #4 check continuity with multimeter between A- and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	35. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between B+ and ground. In Power Block #4 check continuity with multimeter between B- and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	36. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between B- and ground. In Power Block #4 check continuity with multimeter between A+ and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	37. [Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between B- and ground. In Power Block #4 check continuity with multimeter between B+ and ground.	Pass (No continuity - open loop [OL]) Fail (Continuity)
	38. Record the Power Link 2000 Proton A top landing. Record the Power Block # and Power Block HV DC output bus connected on the Power Link 2000	Power Block#1 Bus A Power Block#1 Bus B Power Block#2 Bus A Power Block#2 Bus B Power Block#3 Bus A Power Block#3 Bus B Power Block#4 Bus A Power Block#4 Bus B N/A

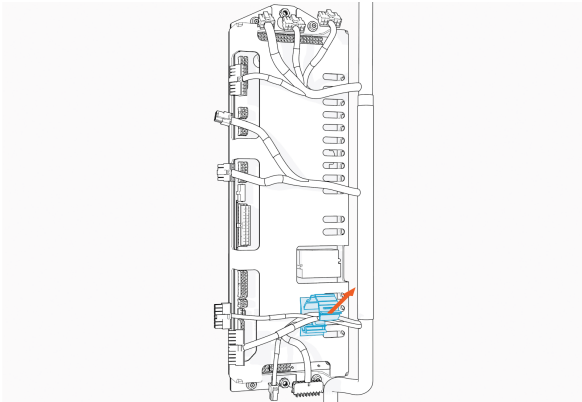
	Item	Status/Comments
		
	39. Record the Power Link 2000 Proton A bottom landing. Record the Power Block # and Power Block HV DC output bus connected on the Power Link 2000.	Power Block#1 Bus A Power Block#1 Bus B Power Block#2 Bus A Power Block#2 Bus B Power Block#3 Bus A Power Block#3 Bus B Power Block#4 Bus A Power Block#4 Bus B N/A
	40. Record the Power Link 2000 Proton B top landing. Record the Power Block # and Power Block HV DC output bus connected on the Power Link 2000.	Power Block#1 Bus A Power Block#1 Bus B Power Block#2 Bus A Power Block#2 Bus B Power Block#3 Bus A Power Block#3 Bus B Power Block#4 Bus A Power Block#4 Bus B N/A
	41. Record the Power Link 2000 Proton B bottom landing. Record the Power Block # and Power Block HV DC output bus connected on the Power Link 2000.	Power Block#1 Bus A Power Block#1 Bus B Power Block#2 Bus A Power Block#2 Bus B Power Block#3 Bus A

Item	Status/Comments
	Power Block#3 Bus B Power Block#4 Bus A Power Block#4 Bus B N/A
42. Continuity testing comments:	

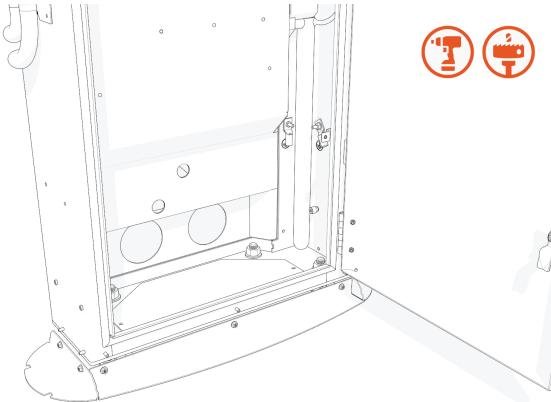
DCSC Cables

Item	Status/Comments
1. [Critical] Verify that the positive and negative DCSC (DC Smart Cable) conductors are landed on the front tabs of the bus bars with correct polarity (red - positive, black - negative). [UPLOAD PHOTO] 	
2. Verify each combined washer-nut is torqued to 5.6 Nm (50 in-lb). Verify all torqued power connections are marked with a paint pen. 	

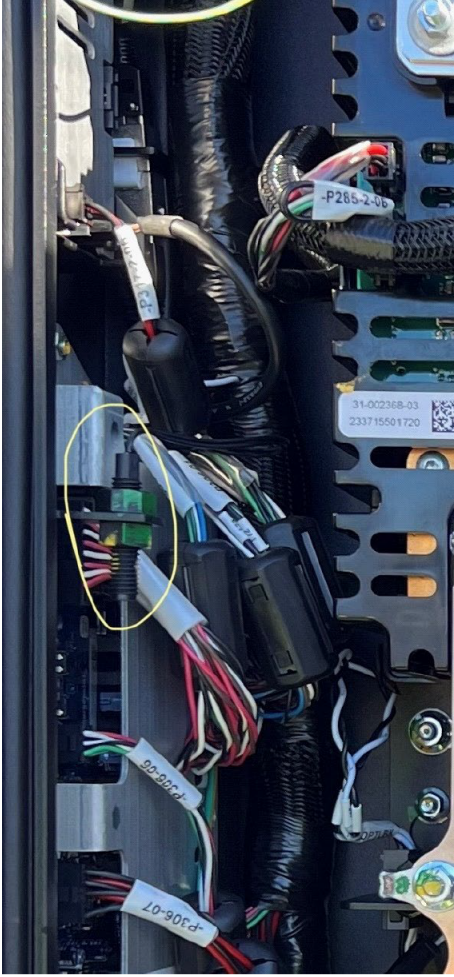
	Item	Status/Comments
	3. Verify that the DCSC ground wire on the ground stud inside the shoulder opening is installed and torqued to 5.6 Nm (50 in-lb).	
	4. Verify that the Ethernet cable (P238-23) connects from the charge cable plugs into the Ethernet coupler on the left side and the Ethernet switch (SSLAN board) on the right side. 	
	5. Verify that the 48 VDC wire connector [P317-2-06 (left side) and P317-1-06 (right side)] plugs into the four-pin socket on the cable assembly. Ensure asymmetric plug is properly aligned. 	
	6. [Critical] If the station has LCC (liquid cooled cables), verify the connection of the coolant tubes from the charging cable into the connectors of the liquid cooling backpack.[UPLOAD PHOTO] 	
	7. [Critical] If the station has LCC (liquid cooled cables), check the coolant level in the reservoir. The coolant level should be at max.	

Item		Status/Comments
	 NOTE: Coolant dip stick is provided on the bottom door of the Power Link 2000.[UPLOAD PHOTO] 	
	8. Perform push-pull test on all connections on cooling controller board (CCB). 	
	9. Provide a photo for both of the DCSC cable connections (if present).[UPLOAD PHOTO]	
	10. [Optional] DCSC cable evaluation comments:	

Chassis

	Item	Status/Comments
	1. Surface Conduit Entry (SCE) installations only: Verify that the installer used the SCE template and cables are entering as per the designated pilot holes from the rear side of the Power Link 2000. 	
	2. Verify that both doors are grounded with a grounding strip.	
	3. [Optional] Chassis evaluation comments:	

Reed Sensors Alignment

Item	Status/Comments
1. Verify the 2 reed sensors are present and aligned. The first is behind the CCOM in the top of the station and the second is in the lower pedestal on the station frame.	
	

Height Requirements and Exterior Inspection

	Item	Status/Comments
	 NOTE: For ADA only: Verify that the Power Link 2000 charging handle sits no higher than 48 inches above grade level.	
	2. Turn on the LV 48 V breaker(s).	
	3. Turn on the DC Disconnect (If present).	
	4. Verify that the Power Link 2000 is completely closed off.	
	5. Verify all cover panels are aligned.[UPLOAD PHOTO]	
	6. Verify that charging cables are sitting correctly in the holsters. [UPLOAD PHOTO]	
	7. CMK Installations: verify that the install height of the CMK is 2400 mm (7 ft 11 inch).  NOTE: The CMK can be lowered by 203 mm (8 inch) by utilizing the upper and middle keyholes to allow for installations with low overhead clearance.[UPLOAD PHOTO]	
	8. CMK Installations: verify that all back screws for the mast are torqued at 5.6 Nm (50 in-lb).	
	9. Tall CMK Installations: Record the install height of the tall CMK mast.	Maximum: 3 m (10 ft) Minimum: 2.41 m (7 ft 11 in)
	10. Tall CMK Installations: Verify that all 8 mast screws are installed and torqued to 5.6 Nm (50 in-lb).	
	11. Tall CMK Installations: Verify that the 6 mast screws are installed and torqued to 5.6 Nm (50 in-lb).	
	12. Verify that the retraction mechanism for tall CMK and overhead CMK functions normally. Pull down on each charging cable to ensure the cable is fully extended and fully retracted back to starting position.	
	13. Verify that charging cables are sitting correctly in the holsters and not touching the ground. If the cable is touching the ground then adjust the cable service loop to correct it.	
	14. [Optional] Height Requirements and Exterior inspection evaluation comments:	

Cellular Coverage Evaluation

	Item	Status/Comments
	1. [Critical] Using a Snyder cellular signal detector or equivalent, test the location of every station and ensure it meets minimum RSRP measured at -90 dBm or better.[UPLOAD PHOTO]  NOTE: Capture 1900 MHz bandwidth range with AT&T as service provider.	
	2. [Critical] Using a Snyder cellular signal detector or equivalent, test the location of every station and ensure it meets minimum RSRQ at -12.5 dB or better.[UPLOAD PHOTO]  NOTE: Capture 1900 MHz bandwidth range with AT&T as service provider.	
	3. [Optional] Cellular evaluation comments:	

Ethernet and Wi-Fi Connectivity Verification

	Item	Status/Comments
	[CRITICAL] Verify that external Ethernet connectivity meets requirement, per the Ethernet Site Qualification Checklist in the <i>Network Readiness Guide</i> available at ChargePoint Product Reference Documentation.  NOTE: If the check fails after installation, refer to the Troubleshooting Ethernet and Wi-Fi Connectivity in the <i>Network Readiness Guide</i> for troubleshooting steps.	
	[CRITICAL] Verify that Wi-Fi signal strength at the station location meets the minimum threshold (-65 dBm or better), measured using a Wi-Fi analyzer tool (not signal bars), per the Wi-Fi Site Qualification Checklist in the <i>Network Readiness Guide</i> available at ChargePoint Product Reference Documentation.  NOTE: If the check fails, refer to the Troubleshooting Ethernet and Wi-Fi Connectivity in the <i>Network Readiness Guide</i> for troubleshooting steps.	

Activation and Firmware

	Item	Status/Comments
	1. Are there any critical non conformities that would prevent energization?  NOTE: If any of the critical items [C] fails, do not energize the charger.	Yes No
	2. Turn ON the system. The Power Link 2000 should have the SEVB (LED) lights turned ON and touchscreen (if available) should be ON.	
	3. Use the Installer app to pinpoint the Express Plus system.	
	4. Contact ChargePoint (1-877-850-4562) to complete activation and software update.	
	5. Verify that the Power Link 2000 SEVB (LED) lights are GREEN.	
	6. Take a picture of the Power Link 2000 screen (if present) showing the charger name and available power output. [UPLOAD PHOTO]	
	7. [Optional] Activation and firmware comments:	

Acknowledgment

I, _____, hereby confirm the following:

- All instructions in the Installation Guide have been followed
- Torqued all fasteners to the correct torque values using an appropriate tool
- The electrical system complies with all local codes, norms, standards, and regulations. This includes but is not limited to health and safety regulations, electrical regulations, building regulations, manufacturer specifications, and requirements of the local authorities.
- I certify that the scope of work has been completed correctly and that the station has no functional, electrical, or safety issues

Name and signature of the technician who commissioned the stations.

Name: _____

Company: _____

Signature	Date

Legal Disclaimer

ChargePoint is not responsible for verifying this information, and the creator of the protocol remains responsible for this information.

ChargePoint accepts no ongoing responsibilities for the electrical design and the installation specifics.



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