Express Plus Power Link 2000

Commissioning Form

Review Express Plus 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.com/guides.

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 lock out/tag out the disconnect 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.

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

This manual contains important instructions for Express Plus that shall be followed during installation, operation and maintenance of the unit.

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. Only use licensed professionals to install your ChargePoint product and adhere to all national and local building codes and standards. Before installing the ChargePoint product, consult with a licensed contractor, such as a licensed electrician, and use a trained installation expert to ensure compliance with local building and electrical codes and standards, climate conditions, safety standards, and all applicable codes and ordinances. Inspect the product for proper installation before use.
3. Always ground the ChargePoint product. Failure to ground the product can lead to risk of electrocution or fire. 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. Do not put fingers into the electric vehicle connector, or 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 or the electric vehicle connector is 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. Site operator is responsible for making sure that no mechanical damage occurs and the pantograph is installed in a location that doesn't present a safety risk. If used carelessly, the pantograph could critically injure someone just from the extension force.

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.

Document Accuracy

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

Copyright and Trademarks

Symbols

This guide and product use the following symbols:

DANGER: Risk of electric shock

WARNING: Risk of personal harm or death

CAUTION: Risk of equipment or property damage

IMPORTANT: Crucial step for installation success

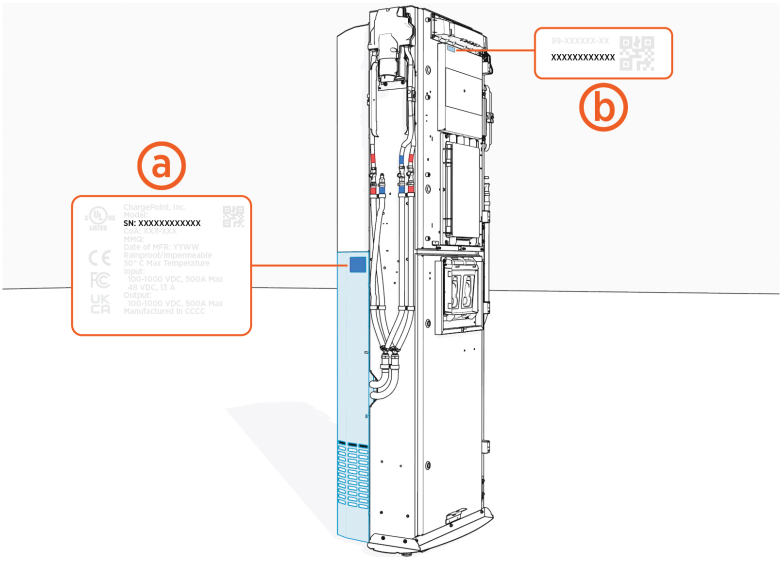
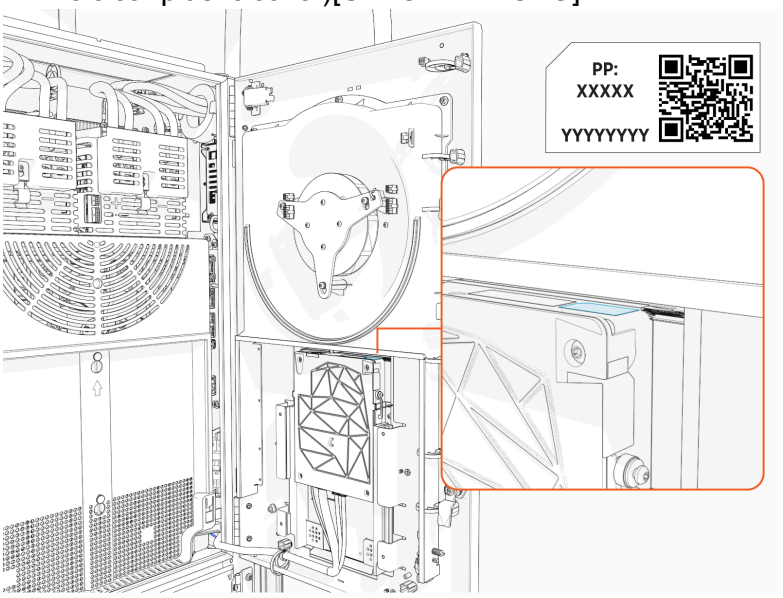
Read the manual for instructions

Ground/protective earth

Illustrations Used in This Document

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

General

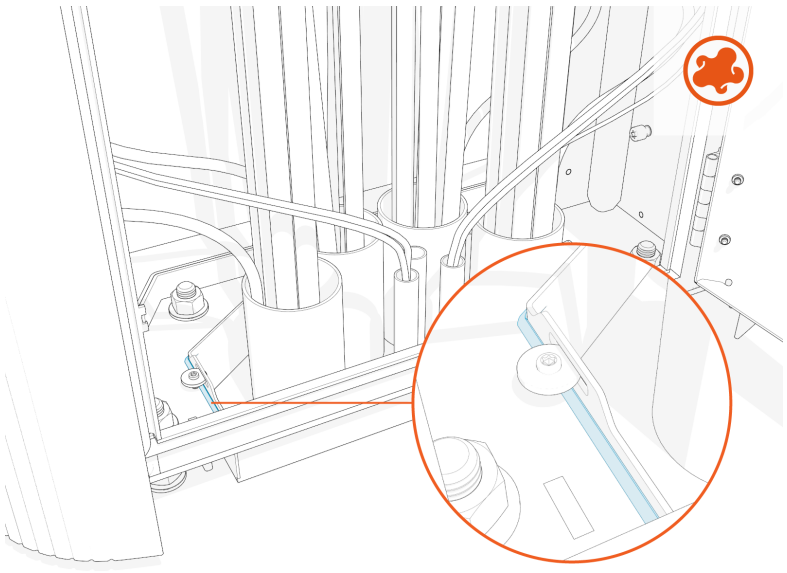
	Item	Status/Comments
	1. Station Serial Number [UPLOAD PHOTO] 	☐
	2. Record the station MAC Address (To be read from the CCOM on the top door by removing the clear plastic cover)[UPLOAD PHOTO] 	☐
	3. Is the Power Link 2000 connected to a Power Hub or Power Block/s?	☐ Power Hub ☐ Power Block/s
	4. Power Hub Serial Number	

	Item	Status/Comments
	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	
	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]	☐

	Item	Status/Comments
	21. Verify there are no metal shavings inside the Power Link 2000.[UPLOAD PHOTO]	☐
	22. [Optional] General evaluation Comments:	

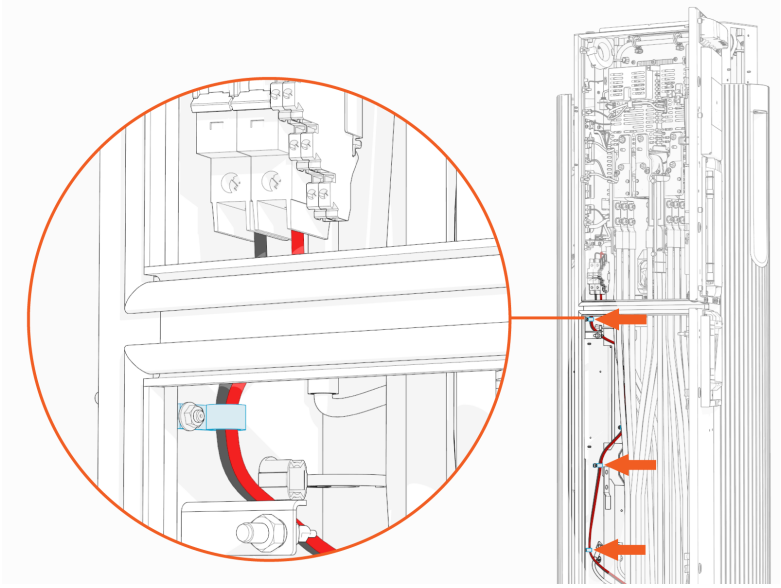
Conduits

	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 ☐ 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]	☐

	Item	Status/Comments
		
	8. Provide a photo of the conduits.[UPLOAD PHOTO]	☐
	9. [Optional] Conduit evaluation comments:	

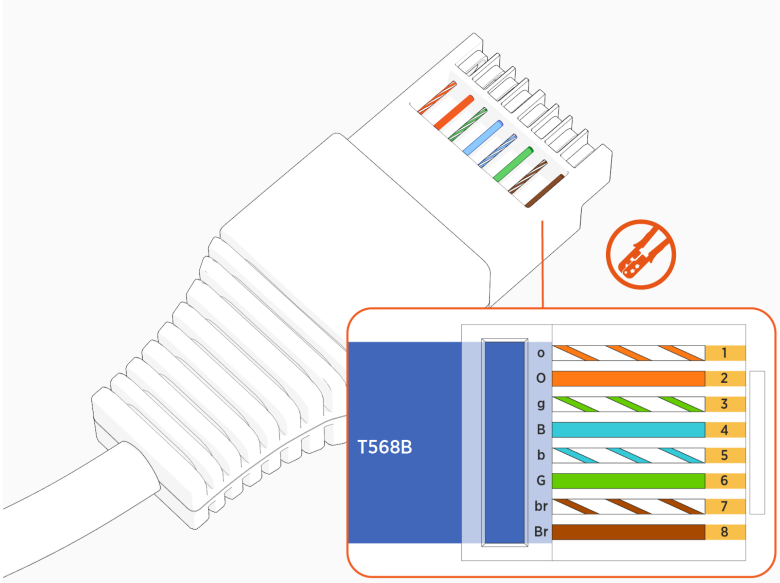
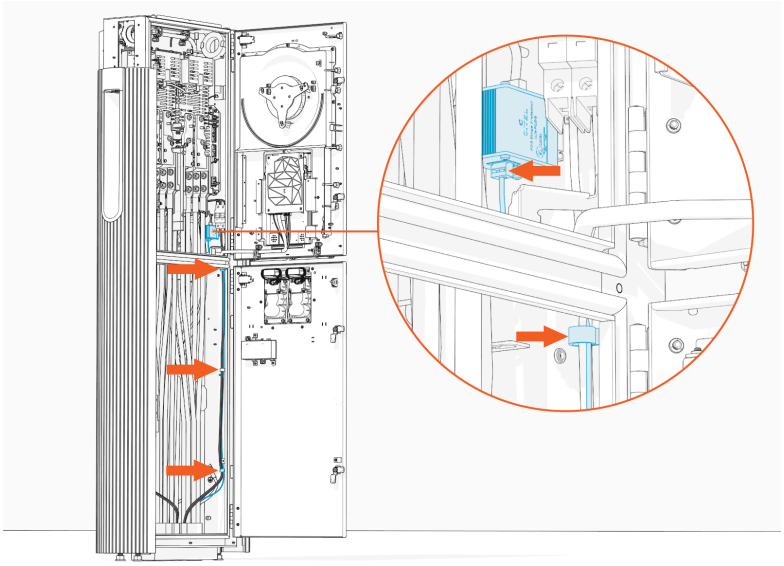
Conductors and Cables

	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
	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 /	☐

	Item	Answer/Comments
	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:	

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 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:	

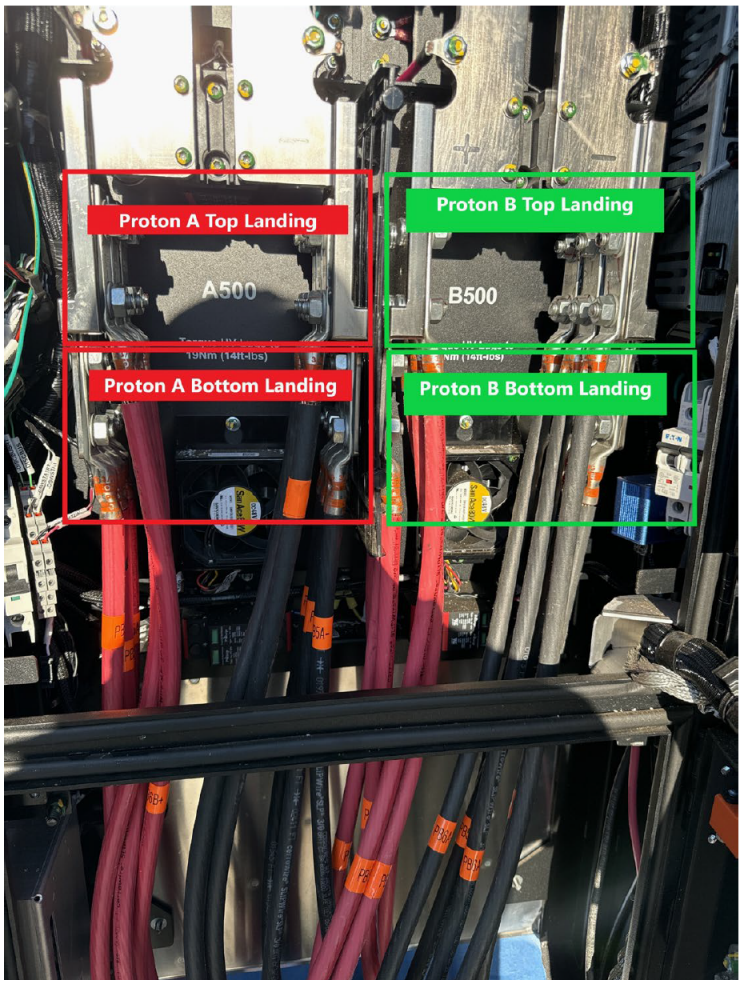
Continuity Testing

	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)
	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	☐ Pass (No continuity -

	Item	Status/Comments
	connect a wire between B+ and ground. In Power Block #1 check continuity with multimeter between A- and ground.	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 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)
	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)

	Item	Status/Comments
	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)
	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	☐ Pass (No continuity - open loop [OL])

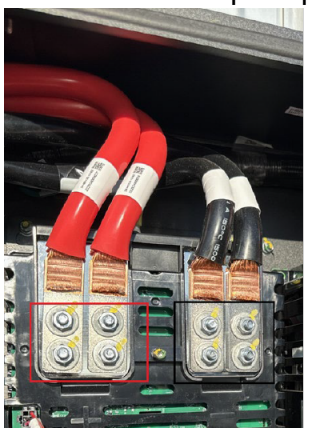
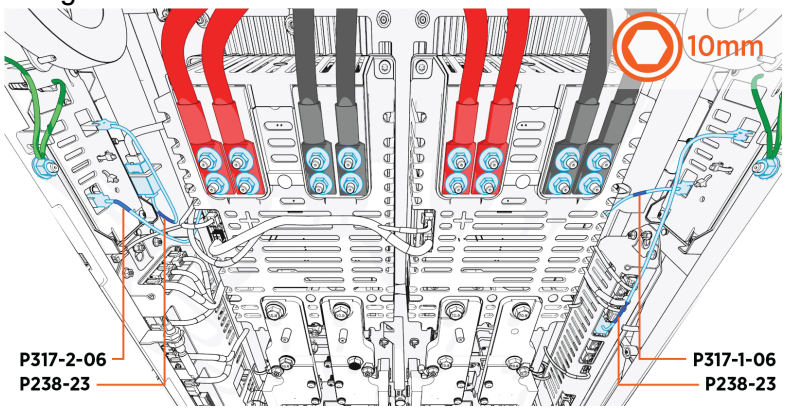
	Item	Status/Comments
	ground.	☐ Fail (Continuity)
	33.[Critical] Continuity Test (HVDC): In this Power Link 2000 connect a wire between A- and ground. In Power Block #4 check continuity with multimeter between B+ and ground.	☐ Pass (No continuity - open loop [OL]) ☐ Fail (Continuity)
	34.[Critical] Continuity 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

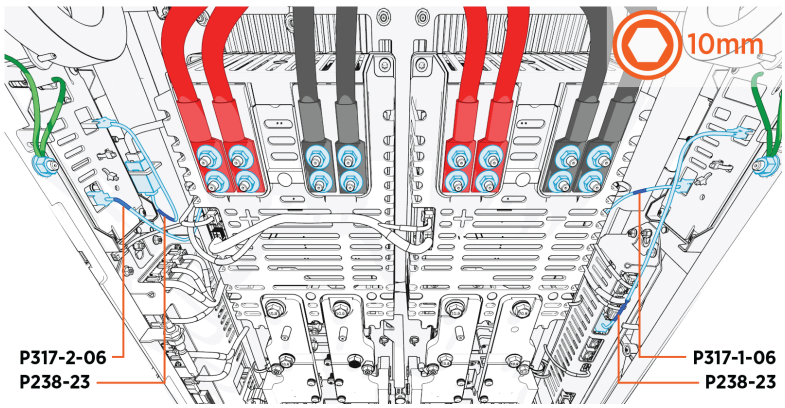
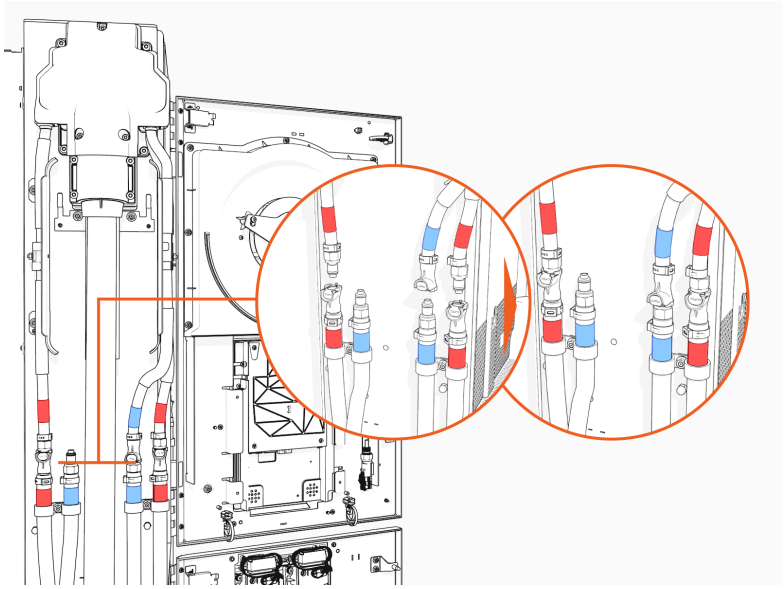
	Item	Status/Comments
		
	39. Record the Power Link 2000 Proton A bottom landing. Record the Power Block # and Power Block HV DC output bus connected on the Power Link 2000.	☐ Power Block#1 Bus A ☐ Power Block#1 Bus B ☐ Power Block#2 Bus A ☐ Power Block#2 Bus B ☐ Power Block#3 Bus A ☐ Power Block#3 Bus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

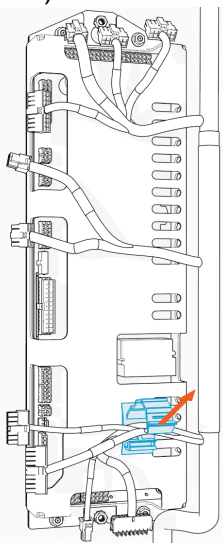
	Item	Status/Comments
		☐ Power Block#4 Bus A ☐ Power Block#4 Bus B ☐ N/A
	41. Record the Power Link 2000 Proton B bottom landing. Record the Power Block # and Power Block HV DC output bus connected on the Power Link 2000.	☐ Power Block#1 Bus A ☐ Power Block#1 Bus B ☐ Power Block#2 Bus A ☐ Power Block#2 Bus B ☐ Power Block#3 Bus A ☐ Power Block#3 Bus B ☐ Power Block#4 Bus A ☐ Power Block#4 Bus B ☐ N/A
	42. Continuity testing comments:	

DCSC Cables

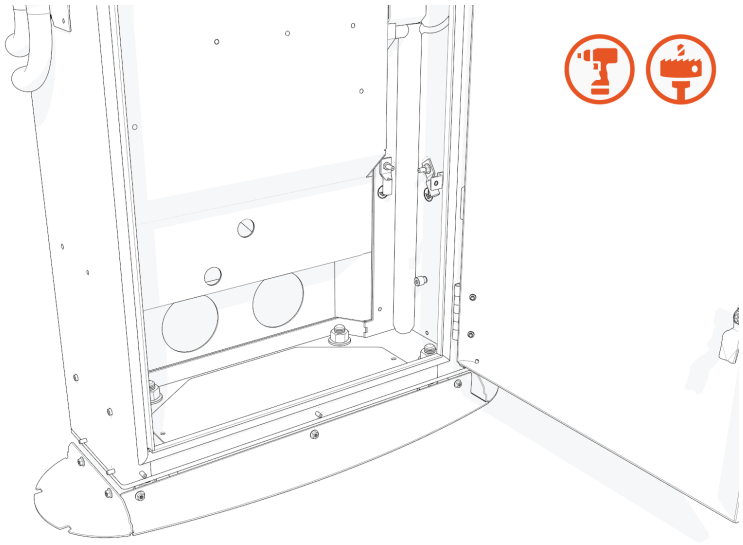
	Item	Status/Comments
	1. [Critical] Verify that the positive and negative DCSC (DC Smart Cable) conductors are landed on the front tabs of the bus bars with correct polarity (red - positive, black - negative).[UPLOAD PHOTO] 	☐
	2. Verify each combined washer-nut is torqued to 5.6 Nm	

	Item	Status/Comments
	(50 in-lb). Verify all torqued power connections are marked with a paint pen. 	☐
	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.	☐

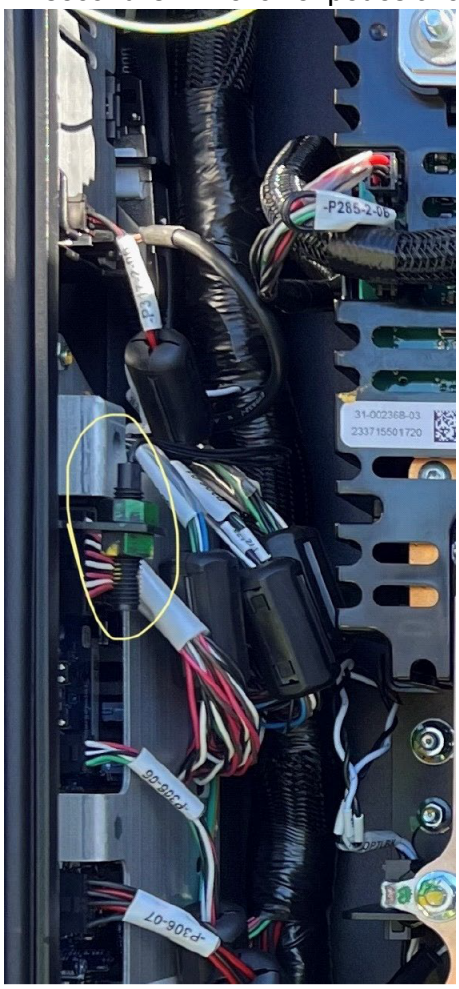
	Item	Status/Comments
		
	6. [Critical] If the station has LCC (liquid cooled cables), verify the connection of the coolant tubes from the charging cable into the connectors of the liquid cooling backpack.[UPLOAD PHOTO] 	☐
	7. [Critical] If the station has LCC (liquid cooled cables), check the coolant level in the reservoir. The coolant level should be at max. Note: Coolant dip stick is provided on the bottom door of the Power Link 2000.[UPLOAD PHOTO]	☐

	Item	Status/Comments
		
	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
	1. 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 Snyper 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 Snyper 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:	

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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