

Installation Checklist Express Plus Power Block

To adhere to ChargePoint best practices, complete this checklist before you leave the site.

Express Plus Power Block			
1.		Ensure that all clearance requirements for service and ventilation of the Power Block are met. See the Clearances and Ventilation sections of the <i>Express PlusPower BlockSite Design Guide</i> .	☐
2.		Ensure that the leveling nuts are installed on the anchor bolts and the Power Block pedestal is level. Refer to Mount and Secure the Pedestal section in the Installation Guide using the following link: https://docs.chargepoint.com/ref-docs-sec/content/pdfs/3-dc/expp/pb1000/pb1000-ig.pdf .	☐
3.		Ensure that the Power Block pedestal top nuts are torqued to 95 Nm (70 ft-lb). Refer to Mount and Secure the Pedestal section in the Installation Guide using the following link: https://docs.chargepoint.com/ref-docs-sec/content/pdfs/3-dc/expp/pb1000/pb1000-ig.pdf .	☐
4.		If the sites required surface entry of wires, ensure the Power Block Surface Conduit Entry Kit was used. Refer to the <i>Power Block Surface Conduit Entry Kit Guide</i> .	☐
5.		Ensure that the conduit stub-ups inside the Power Block are at least 25 mm (1 in) above the gland plate. Mount and Secure the Pedestal section in the Installation Guide using the following link: https://docs.chargepoint.com/ref-docs-sec/content/pdfs/3-dc/expp/pb1000/pb1000-ig.pdf .	☐
6.		Ensure that the transformer is 480 V AC, 3-phase, 260 A, 60 Hz and has grounded WYE (Y) configuration. Refer to the Electrical Design chapter of the <i>Express PlusPower BlockSite Design Guide</i> .	☐
7.		Ensure that the power breaker size is 350 A or 400 A. Refer to the Electrical Design chapter of the <i>Express PlusPower BlockSite Design Guide</i> .	☐
8.		Ensure that the conductor specifications meet the requirements listed below. Refer to the Electrical Design chapter of the <i>Express PlusPower BlockSite Design Guide</i> .	☐
	a.	AC cables must be 600 V rated, THHN/THHW/THW-2/THWN-2, and rated to 90 °C (194 °F). Refer to the Wiring Requirements section of the <i>Express PlusPower BlockSite Design Guide</i> .	☐
	b.	High voltage DC cables must be 1000 V rated, XHHW/XHHW-2, and rated to 90 °C (194 °F). Refer to the Wiring Requirements section of the <i>Express PlusPower BlockSite Design Guide</i> .	☐
	c.	Low voltage DC cables must be 16 mm ² (6 AWG), copper, 1000 V rated, XHHW/XHHW-2, and rated to 90 °C (194 °F). Refer to the Wiring Requirements	☐

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		section of the <i>Express PlusPower BlockSite Design Guide</i> .	
	d.	Ethernet cable must be Cat6 STP and outdoor rated. Refer to the Wiring Requirements section of the <i>Express PlusPower BlockSite Design Guide</i> .	☐
9.		Ensure that all fasteners on field-installed components are properly torqued and marked. Refer to the Tightening Torque section in the Installation Guide using the following link: https://docs.chargepoint.com/ref-docs-sec/content/pdfs/3-dc/expp/pb1000/pb1000-ig.pdf .	☐
10.		Do not install the Power Modules prior to commissioning, and ensure they are stored in a cool dry place protected from exposure to weather.	☐
11.		Ensure that the correct output power rating label is applied on the Power Block (if applicable).	☐
12.		Ensure that an electrical installer will be on site during commissioning.	☐
13.		Verify all site construction work is complete.	☐
14.		Ensure that the site is inspected by authority having jurisdiction (AHJ).	☐
15.		Verify the site is energized by utility.	☐
16.		Ensure site AC voltage measurements are within acceptable range (480 V AC +/- 10% (Phase-Phase)).	☐
17.		Ensure that all ground and earth connections are made, including those to ground lugs on the pedestal.	☐
18.		Ensure that all connections have correct polarity and are installed on the correct bus.	☐
19.		Ensure that all service wires are inserted into their designated terminal blocks and ensure all electrical connections are clean and snug (not pinched or trapped).	☐
20.		Ensure that all electrical enclosures are cleaned and vacuumed, and are free of wire strands, metal shavings, and all other debris.	☐
21.		Ensure that no packaging or other foreign objects are left inside the unit.	☐
22.		Ensure that all covers, doors, and panels are installed. Refer to the Install Power Block Covers and Door section in the Installation Guide using the following link: https://docs.chargepoint.com/ref-docs-sec/content/pdfs/3-dc/expp/pb1000/pb1000-ig.pdf .	☐
23.		Ensure that the station is fully secured and does not rock or move.	☐
24.		Ensure that the Power Block is labeled with the panel and breaker information.	☐
25.		Ensure that the parking area is clean and free of all packaging, debris, and anything that could damage vehicle tires.	☐
26.		Ensure that all local required forms are prepared.	☐

Third-Party Service Providers

Services Performed

Details	Complete the following:
Description of Service Provided	
Location	
Unit	
Panel ID	
Breaker	

Contact Information

Service Provider	Complete the following:
Technician Name	
Email	
Service Company Name	
Address	
Contact Person	
Phone	

Site Owner/Customer	Complete the following:
Contact Person	
Email	
Business Name	
Site Address	
Phone	

Questions

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