

# Installation Checklist for Power Link 1000

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

| Express PlusPower Link 1000 |    |                                                                                                                                                                                                                    |                          |
|-----------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 1.                          |    | Ensure that all clearance requirements for service and ventilation of the Power Link 1000 are met. Refer to the Clearances and Ventilation sections of the <i>Express Plus Power Link 1000 Site Design Guide</i> . | <input type="checkbox"/> |
| 2.                          |    | Ensure that leveling nuts are installed on the anchor bolts and the Power Link 1000 pedestal is level. See <u>Prepare Power Link 1000 Pad</u> .                                                                    | <input type="checkbox"/> |
| 3.                          |    | Ensure that the Power Link 1000 pedestal top nuts are torqued to 95 Nm (70 ft-lb). See <u>Mount and Secure Power Link 1000</u> .                                                                                   | <input type="checkbox"/> |
| 4.                          |    | If the site required surface entry of wires, ensure the Power Link 1000 Surface Conduit Entry Kit was used. Refer to the <i>Power Link 1000 Surface Conduit Entry Kit Guide</i> .                                  | <input type="checkbox"/> |
| 5.                          |    | Ensure that the conduit stub-ups inside the Power Link 1000 are at least 102 - 160 mm (4 - 6-1/4 in) above the concrete pad. See <u>Mount and Secure the Pedestal</u> .                                            | <input type="checkbox"/> |
| 6.                          |    | Ensure that the conductor specifications meet the requirements listed below. Refer to the Electrical Design chapter of the <i>Express Plus Power Link 1000 Site Design Guide</i> .                                 | <input type="checkbox"/> |
|                             | a. | High voltage DC wires are XHHW/XHHW-2 based on site condition (dry or wet) and are rated for 1000 V at 90 °C (194 °F).                                                                                             | <input type="checkbox"/> |
|                             | b. | Low voltage DC wires are XHHW/XHHW-2 based on site condition (dry or wet), 16 mm <sup>2</sup> (6 AWG), copper, and are rated for 1000 V at 75 °C (194 °F).                                                         | <input type="checkbox"/> |
|                             | c. | Ethernet cable is Cat6 STP and is outdoor rated.                                                                                                                                                                   | <input type="checkbox"/> |
| 7.                          |    | Ensure HV DC lugs are two hole (for North America), plated compression lugs (not mechanical). See <u>Bring These Tools and Materials</u> .                                                                         | <input type="checkbox"/> |
| 8.                          |    | All cables (HV DC, LV DC) are labeled correctly and clearly identified. See <u>Connect Wiring</u> .                                                                                                                | <input type="checkbox"/> |
| 9.                          |    | Ensure that the charging cables are installed and they do not touch the ground when plugged into holsters and hanged to the Cable Management Kit (CMK). See <u>Install DC Smart Cable</u> .                        | <input type="checkbox"/> |
| 10.                         |    | Ensure that the Cable Management Kit (CMK) is installed at the height specified                                                                                                                                    | <input type="checkbox"/> |

| Express PlusPower Link 1000 |  |                                                                                                                                                                                        |                          |
|-----------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
|                             |  | by the site plan and that the charging cables extend and retract fully and operate smoothly. See <u>Install Cable Management Kit</u> .                                                 |                          |
| 11.                         |  | Ensure that all fasteners on field-installed components are properly torqued. See <u>Tightening Torque</u> .                                                                           | <input type="checkbox"/> |
| 12.                         |  | Ensure that the correct output power rating label is applied on the Power Link 1000. See <u>Verify and Adhere Ratings Label</u> .                                                      | <input type="checkbox"/> |
| 13.                         |  | Ensure that an electrical installer will be on site during commissioning.                                                                                                              | <input type="checkbox"/> |
| 14.                         |  | Verify all site construction work is complete.                                                                                                                                         | <input type="checkbox"/> |
| 15.                         |  | Ensure that the site is inspected by authority having jurisdiction (AHJ).                                                                                                              | <input type="checkbox"/> |
| 16.                         |  | Verify the site is energized by utility.                                                                                                                                               | <input type="checkbox"/> |
| 17.                         |  | Ensure that the site AC voltage measurements are within acceptable range (480 V AC +/- 10% (Phase-Phase)).                                                                             | <input type="checkbox"/> |
| 18.                         |  | Ensure that all ground and earth connections are made, including those to ground lugs. See <u>Connect Wiring</u> .                                                                     | <input type="checkbox"/> |
| 19.                         |  | Ensure that all connections have correct polarity and are installed on the correct bus. See <u>Connect Wiring</u> .                                                                    | <input type="checkbox"/> |
| 20.                         |  | 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).                   | <input type="checkbox"/> |
| 21.                         |  | Ensure that all electrical enclosures are cleaned and vacuumed and are free of wire strands, metal shavings, debris, packaging material, or all other foreign objects.                 | <input type="checkbox"/> |
| 22.                         |  | Ensure that the 48 V DC breaker is powered on, enclosure doors are closed, and all covers, panels, and vinyl signs are installed. See <u>Install Doors</u> and <u>Install Covers</u> . | <input type="checkbox"/> |
| 23.                         |  | Ensure that any twists in charging cables are removed and straightened.                                                                                                                | <input type="checkbox"/> |
| 24.                         |  | Ensure that Power Link 1000 is fully secured and does not rock or move.                                                                                                                | <input type="checkbox"/> |
| 25.                         |  | Ensure that Power Block is labeled with the panel and breaker information and Power Link 1000 is labeled with the upstream Power Block and/or Power Hub information.                   | <input type="checkbox"/> |
| 26.                         |  | Ensure that the parking area is clean and free of all packaging, debris, and anything that could damage vehicle tires.                                                                 | <input type="checkbox"/> |
| 27.                         |  | Ensure that all local required forms are prepared.                                                                                                                                     | <input type="checkbox"/> |

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## 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](https://chargepoint.com/support) and contact technical support using the appropriate region-specific number.