

IQ Battery 10C Pedestal Mount

Quick install guide

Scan for the latest guide



MODEL
B10C-PI-0550-0

VERSION 2.0
JUNE 2025



140-00562-02



This page is left blank intentionally.

Contents

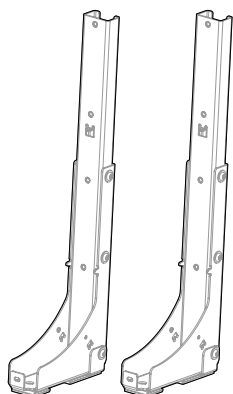
1. Introduction	4
2. What's in the box	4
3. Recommended anchor bolts	5
4. Tools required	5
5. Planning and site preparation	5
6. Installation	7
6.1. Prepare the pedestal assembly	7
6.2. Drill holes in the floor and install anchor bolts	8
6.3. Fix the pedestal cover on the pedestal assembly	10

1. Introduction

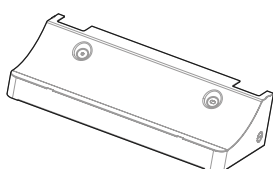
To install the Enphase IQ Battery 10C on the floor using the pedestal mount, read and follow all warnings and instructions in this guide. Additional safety guidelines are listed in the *IQ Battery 10C quick install guide* (<https://enphase.com/installers/resources/documentation/storage>). These instructions do not thoroughly explain how to design and install an energy storage system. All installations must comply with national and local electrical codes and standards. Only Enphase-certified installers shall install, troubleshoot, or replace the pedestal mount.

2. What's in the box

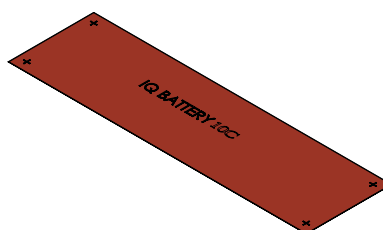
IQ Battery 10C units can be installed on the floor using the pedestal mount. The following components are required for floor installation:



2 × Pedestal bracket



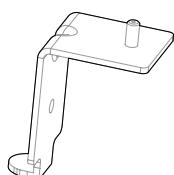
1 × Pedestal cover



1 × Drill template



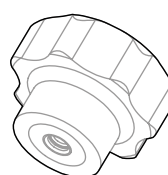
1 × Quick install guide



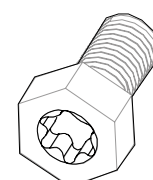
2 × L-Bracket



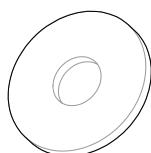
2 × L-Bracket screws (Torx 25, M4, ~0.4" long)



2 × star knob nuts



8 × M8 wall bracket mounting screws (1/2" hex or Torx 25, M8, 0.7" long)



8 × M8 flat washer for wall bracket mounting (~0.94" outer diameter)



READ THIS FIRST: Installation note:

1. **Anchor bolts:** Installers are responsible for procuring the recommended anchor bolts or equivalent hardware necessary to securely fasten the pedestal assembly to the floor or ground surface.
2. **Leveling uneven surfaces:** If the installation surface is uneven, installers may use additional washers to achieve proper leveling. These washers must be compatible with the selected anchor bolts.

3. Recommended anchor bolts

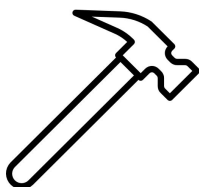
1. Expansion anchor bolts: Hilti KB-TZ2 SS316 1/2" x 4 1/2" long or equivalent for a minimum 5" concrete thickness.
2. Threaded rod with epoxy for concrete of minimum 4" thickness.
 - a. Hilti HAS-R 316 SS 1/2" x 4 1/2" long (element) + HIT-RE 500 V3 (adhesive)
 - b. Simpson Ø 1/2" x 4 1/2" long F593 CW (316SS) (element) + SET-3G™ - SET-3G (adhesive)
 - c. Or equivalent

✓ **NOTE:** Installers must ensure that the anchor bolts used for installation do **not exceed 4.5 inches** in length. Using bolts longer than this may interfere with the pedestal cover and compromise the installation.

4. Tools required



Hammer drill



Hammer



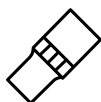
Measuring tape



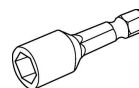
Torque wrench (8.4 in-lb to 90 in-lb or equivalent)



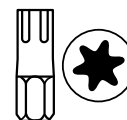
1/2" drill bit for expansion anchor bolts or 9/16" for threaded rod with epoxy¹



3/4" deep-well wrench socket



1/2" hex drives



T25 Torx bit



Cordless impact wrench
(Up to 796.5 in-lb or up to 90 N m)



Manual/Automatic blow-out pump

5. Planning and site preparation

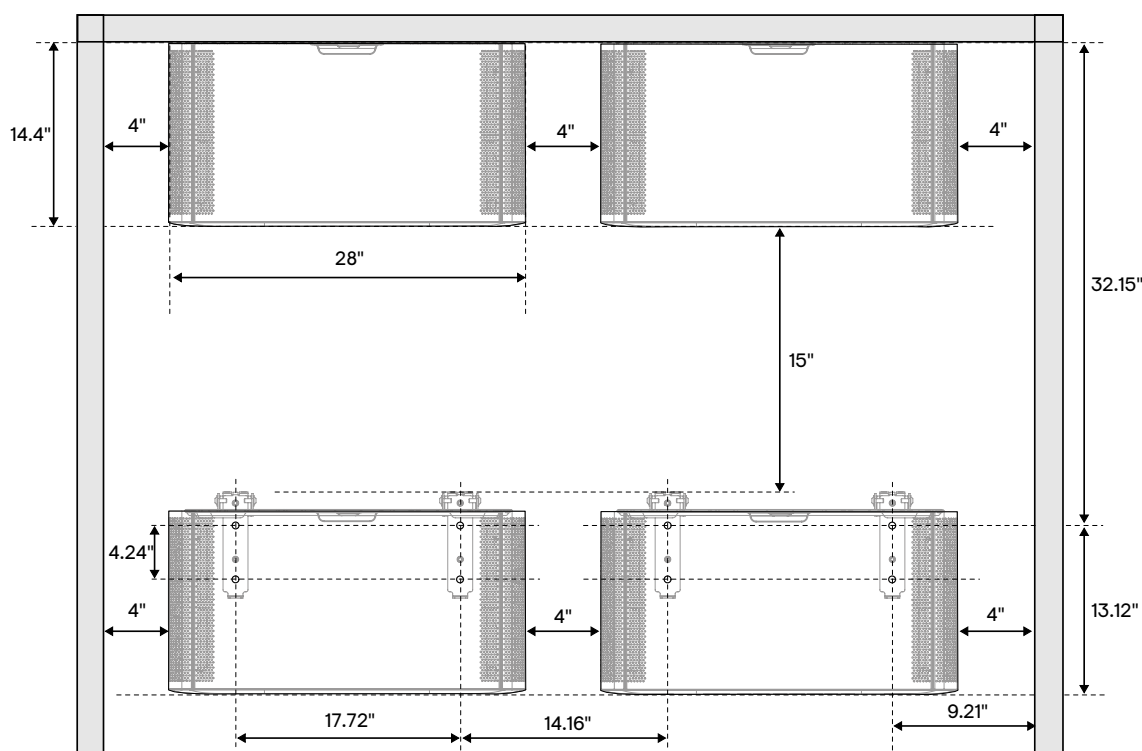
The IQ Battery 10C Pedestal Mount is designed to install a single IQ Battery 10C on a level floor, suitable for indoor and outdoor environments. This section outlines the guidelines for selecting and preparing an appropriate floor surface and determining the necessary space to meet spacing requirements when installing IQ Battery 10C units on the pedestal mount. Follow these instructions and the site preparation guidelines provided in the *IQ Battery 10C quick install guide* (<https://enphase.com/installers/resources/documentation/storage>).

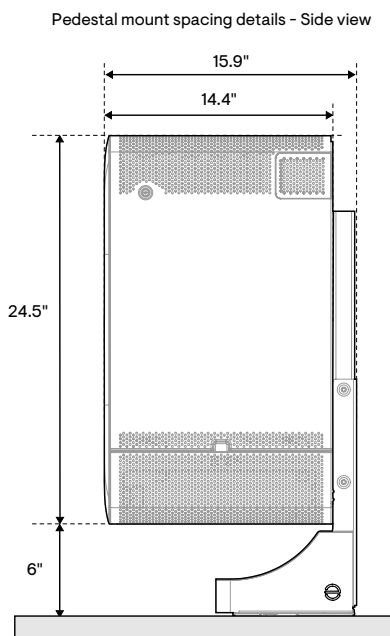
✓ **NOTE:** Local regulations may require additional measures to protect the equipment from vehicle impact in specific locations, such as garages. Consult local building codes for specific requirements.

¹ Drill bit must be carbide-tipped masonry type complying with ANSI B212.15-1994.

- ✓ **NOTE:** The spacings in this section represent the minimum allowable distances according to UL 9540A. Installers must also verify compliance with local battery system spacing codes. Enphase recommends at least 8" of clearance on the sides for ease of servicing.
1. Select a location with a minimum of 15" of unobstructed space in front of the IQ Battery 10C unit. This ensures easy removal of the cover.
- ✓ **NOTE:** Ensure compliance with local or national codes for spacing in front of the IQ Battery 10C, as it is serviceable.
2. Choose a smooth, flat concrete surface to support the anchor bolts.
- ✓ **NOTE:** Normal-weight and lightweight concrete must conform to Sections 1903 and 1905 of the IBC.
- ✓ **NOTE:** Expansion-type anchor bolts require a minimum 5" concrete thickness, and threaded rods with epoxy require a minimum 4" concrete thickness.
- ✓ **NOTE:** Anchors must be limited to use in cracked and uncracked normal-weight concrete and lightweight concrete having a specified compressive strength of 2,500 psi to 8,500 psi (17.2 MPa to 58.6 MPa), and in cracked and uncracked normal-weight concrete. The concrete shall have attained its minimum design strength before installation of the anchors. Refer to the anchor bolt manufacturer's published instructions in case of ambiguity.
- ✓ **NOTE:** The minimum distance from the floor to the bottom of the IQ Battery 10C unit for pedestal-mount configurations is approximately 6".
- ✓ **NOTE:** The minimum distance between the floor and the bottom of the IQ Battery 10C unit for wall-mount configurations is 4".

Pedestal mount spacing details - Top view



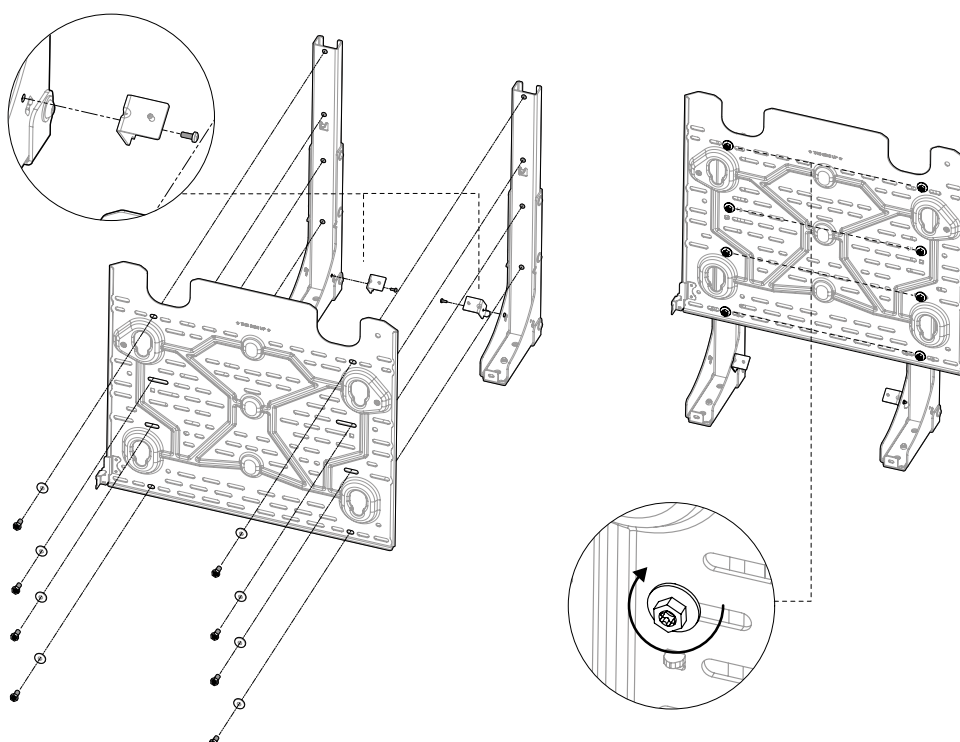


6. Installation

6.1 Prepare the pedestal assembly

1. Position the mounting bracket, received with each 5 kWh box of IQ Battery 10C unit, over the mounting holes on the pedestal bracket assembly.
2. Secure the mounting bracket to the pedestal bracket assembly using the eight M8 wall bracket mounting screws (M8, 0.7" long), and torque to 88.8 in-lb.
3. Attach the L brackets to the pedestal bracket assembly using the two L-bracket screws (Torx, M4, ~0.4" long), and torque to 13 in-lb.

✓ **NOTE:** Ensure that the L-bracket is securely fastened to the inner side of the pedestal bracket, as shown in the following figure.



6.2 Drill holes in the floor and install anchor bolts

1. Mark the drill holes on the floor using the paperboard template provided with the IQ Battery 10C Pedestal Mount kit.
2. Position the paperboard template on the smooth, flat concrete surface.



NOTE: Each drilling point must be at least 8" from all concrete floor edges.



NOTE: To ensure no misalignment, verify the alignment of the pedestal assembly's anchor holes with the drilling points on the template by placing the pedestal assembly on the template before drilling the holes.

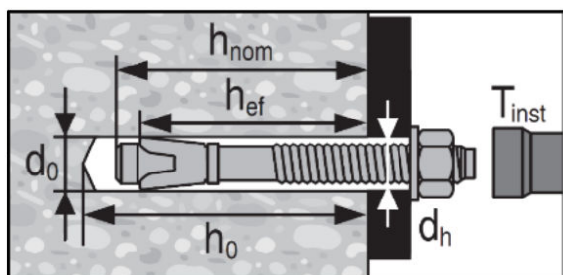


NOTE: Anchor sizes, dimensions, minimum embedment depths, and other installation parameters as outlined in this guide shall be followed.



NOTE: Anchor locations must comply with the anchor bolt manufacturer's specifications, plans, and specifications approved by the code official. The manufacturer's published instructions must be followed to install the anchor bolt. In case of conflict, the Anchor bolt manufacturer's specifications govern.

3. When using the recommended expansion type, anchor bolts:



- Effective embedment depth $h_{ef} = 2.500"$.
- Nominal embedment depth $h_{nom} = 3.000"$.
- Hole diameter in the concrete $d_0 = 0.500"$.
- Hole depth in the concrete $h_0 = 3.250"$.
- Maximum installation torque for Stainless Steel $T_{inst} = 480$ in-lb (54 N m).

- a. Drill a hole with a 1/2" diameter and at least 3 1/4" depth through the template and into the concrete to support an adequate embedment depth of 2 1/2".

- b. Clean the drill holes thoroughly.



NOTE: Dust and debris should be removed from the drilled hole with a DRS attachment system, compressed air, or a manual pump.

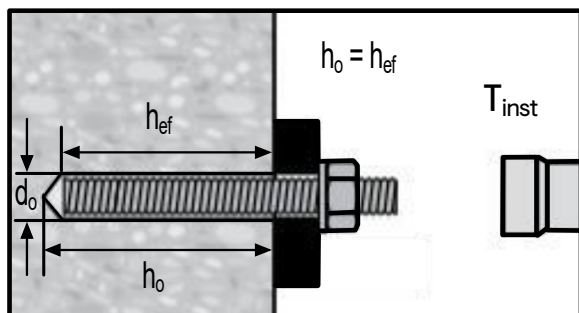


NOTE: Always refer to the anchor bolt manufacturer's product literature for cleaning, installation parameters, and instructions. In case of conflict in any data here, the manufacturer specifications govern.

- c. Remove the paperboard template.

- d. Hammer all four anchor bolts into the drilled holes until an effective embedment depth of 2 1/2" is achieved.

4. When using the recommended threaded rod with epoxy:



- Effective embedment depth $h_{ef} = 2.750"$.
- Hole diameter in the concrete $d_0 = 0.562"$.
- Hole depth in the concrete $h_0 = 2.750"$.
- Maximum installation torque for Stainless Steel $T_{inst} = 360$ in-lb (40.7 N m).

- a. Drill a hole with 9/16" diameter and at least 2 3/4" depth through the template and into the concrete to support an effective embedment depth of 2 3/4".

- b. Clean the drill holes thoroughly.



NOTE: Dust and debris should be removed from the drilled hole with the DRS attachment system, compressed air (90 psi minimum for 2 seconds), or a manual pump and cleaned with a steel wire brush for a minimum of 2 cycles. Afterward compressed air (90 psi minimum for 2 seconds) should be used to blow out the remaining dust from the hole.



NOTE: Always refer to the anchor bolt manufacturer's product literature for cleaning, installation parameters, and instructions. In case of conflict in any data here, the manufacturer specifications govern.

- c. Remove the paperboard template.
 - d. Attach the nozzle and extension to the cartridge and insert them into the dispensing tool. Dispense some adhesive on the side to check if the adhesive is mixed correctly.
 - e. Fill the hole half to two-third full, starting from the bottom to prevent air pockets. Withdraw the nozzle as the hole fills up.
 - f. Insert a clean, oil-free anchor, turning slowly until the anchor contacts the bottom of the hole.
- NOTE:** Ensure that the threaded rod is inserted vertically.
- g. Perform the same steps to insert threaded rods for the other three holes.
 - h. Do not disturb the anchor until fully cured. (See cure schedule for specific adhesive).
5. Secure the pedestal assembly on the floor.

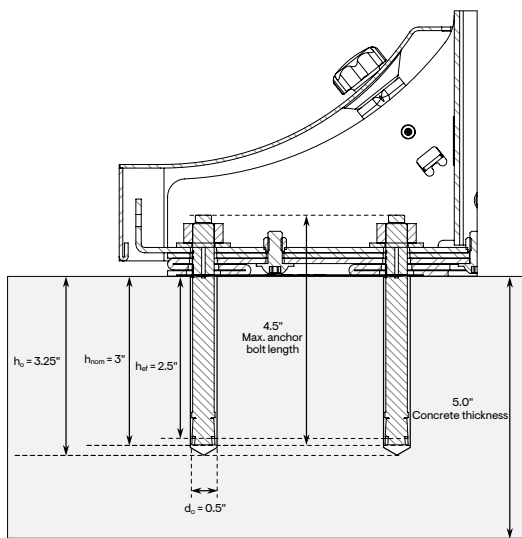


Figure 1: Pedestal installation using expansion anchor bolt

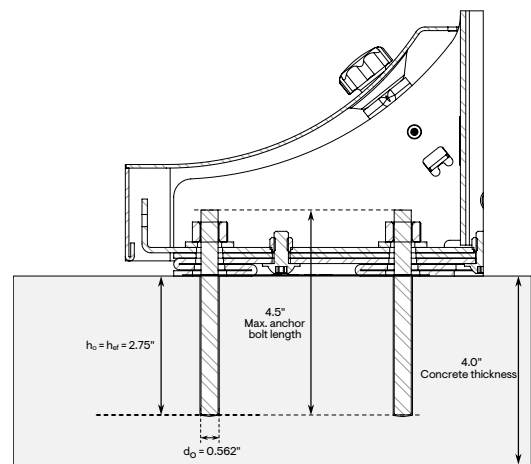
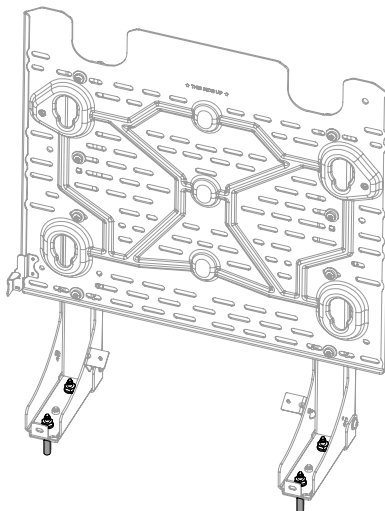


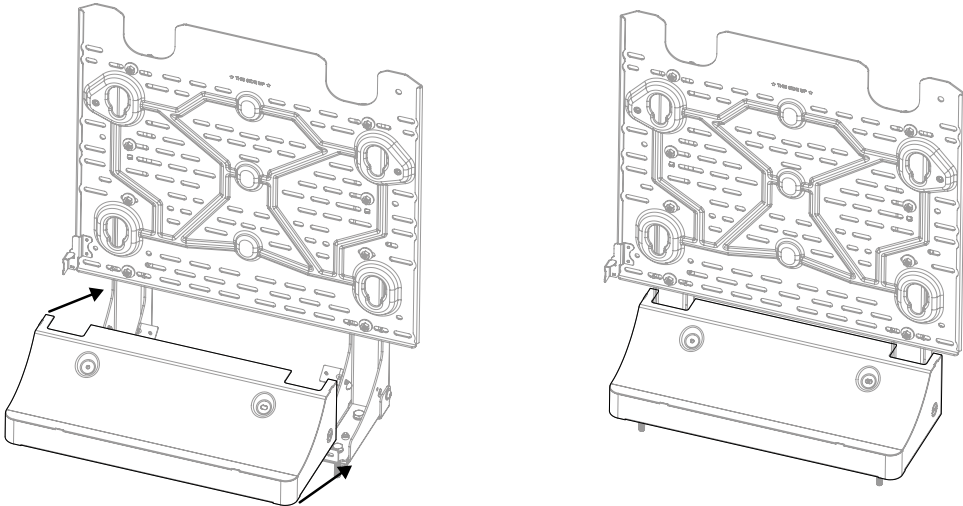
Figure 2: Pedestal installation using threaded rod with epoxy

- a. Align and position the pedestal mount assembly on the installed anchor bolts.
- b. Tighten the nut against the washer until the torque values specified (480 in-lb for the expansion anchor bolt and 360 in-lb for the threaded rod with epoxy) are achieved, using an appropriate impact wrench.



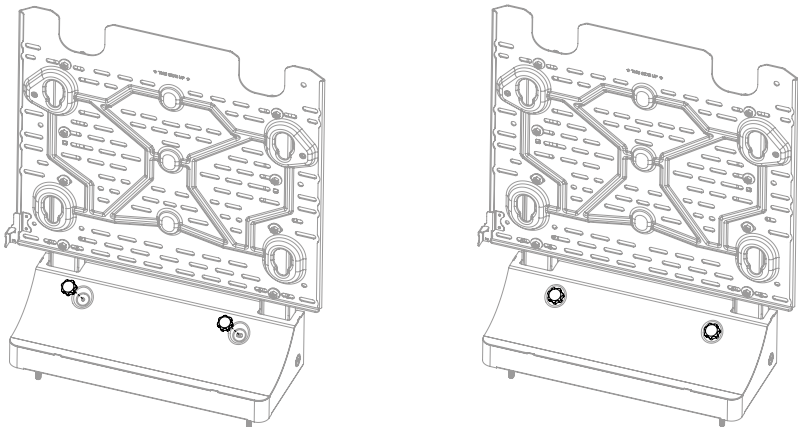
6.3 Fix the pedestal cover on the pedestal assembly

- 1. Align the cover with the installed IQ Battery 10C Pedestal Mount.



- 2. Assemble the pedestal cover onto the L-brackets by hand-tightening two-star knob nuts.

✓ **NOTE:** Install the pedestal cover before installing the 5 kWh units of IQ Battery 10C.



The installation of the IQ Battery 10C Pedestal Mount is complete. To complete the installation, refer to the *IQ Battery 10C quick install guide* (<https://enphase.com/installers/resources/documentation/storage>).

✓ **NOTE:** Anchor sizes, dimensions, minimum embedment depths, and other installation parameters as outlined in this guide shall be followed.

Revision history

Revision	Date	Description
140-00562-02	June 2025	Updated drilling and anchor bolt installation instructions and clearances between the units.
140-00562-01	April 2025	Initial release.

Enphase Support: <https://enphase.com/contact/support>

This page is left blank intentionally.

140-00562-02-EN-2025-06-17
Applicable regions: North America

© 2025 Enphase Energy. All rights reserved. Enphase, the e and CC logos, IQ, and certain other marks listed at <https://enphase.com/trademark-usage-guidelines> are trademarks of Enphase Energy, Inc. in the U.S. and other countries. Data subject to change.

