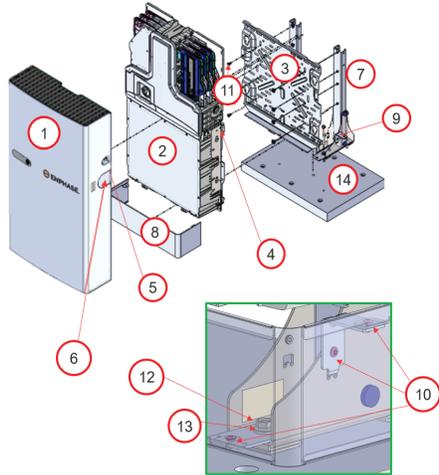


Installing IQ Battery 5P on Pedestal Mount

To install the Enphase IQ Battery 5P on the floor using Pedestal Mount, read and follow all warnings and instructions in this guide. Safety warnings are listed at the end of this guide. These instructions are not meant to be a complete explanation of 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.

A. PREPARATION

IQ Battery 5P units can be installed on the floor using Pedestal Mount. The components required for installation are shown in the following image.



Required tools:

- #4 Phillips bit
- #2 Phillips bit
- X20 bit
- SW15 drive
- 3/8" drill bit
- Hammer drill
- Torque driver 0.7 ft-lb to 44.3 ft-lb or equivalent

B. INSTALLATION

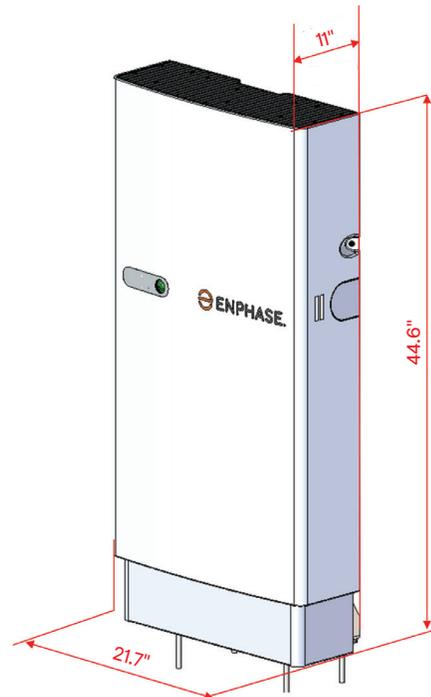
1 Planning and site preparations

The Pedestal Mount can be used to mount one IQ Battery 5P on a level floor, both indoors and outdoors. This section provides guidelines on how to choose and prepare a floor surface and to determine the amount of space needed to meet spacing requirements when installing IQ Battery 5P units on a Pedestal Mount. Follow these instructions in addition to the site preparation instructions mentioned in the *IQ Battery 5P Quick Install Guide*.

✓ **NOTE:** In locations such as garages, local requirements may exist to additionally prevent damage to the equipment from vehicles. Check local building codes for requirements.

LABEL	DESCRIPTION	QUANTITY
Items in IQ Battery 5P packaging		
1	IQ Battery 5P cover	1
2	IQ Battery 5P unit	1
3	Bottom mounting bracket	1
4	Seismic screw	2
5	Battery cover grounding screws	2
6	Conduit cover	2
Items in IQ Battery 5P Pedestal Mount packaging		
7	Pedestal bracket assembly	2
8	Pedestal cover	1
9	L bracket	2
10	Screw, M4×0.4"	6
11	Screw, M8×0.7"	8
12	3/8"×3" long anchor screw	4
13	M10 flat washer	8*
14	Concrete floor mount	1

* Only four M10 flat washers are required for the installation. The remaining four washers can be used to level uneven surfaces.

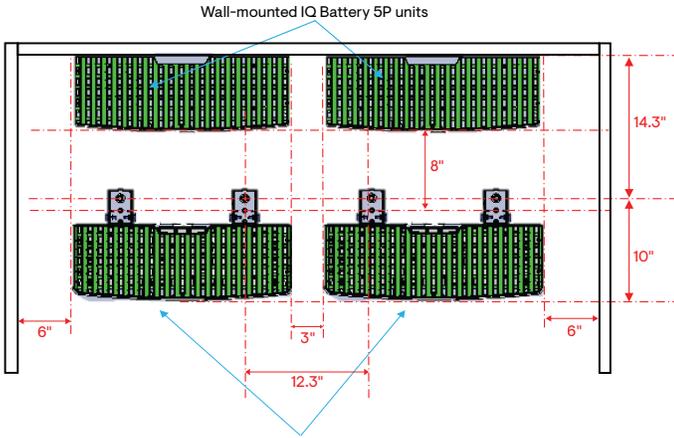


Dimensions of an IQ Battery 5P mounted on a Pedestal Mount



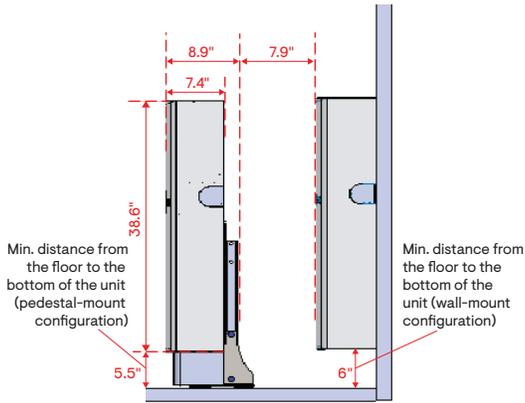
✓ **NOTE:** The top shield provided with IQ Battery 5P is not required for installing the battery on a pedestal mount. Installers can dispose it according to local guidelines.

✓ **NOTE:** The spacings mentioned in this section are minimum allowable spacings as per UL9540A. Installers should also ensure compliance with local battery system spacing codes.



Pedestal-mounted IQ Battery 5P units
Pedestal Mount spacing details - Top view

✓ **NOTE:** The 3" space between the units as shown above is insufficient to allow for the use of handles. If installers intend to use handles to mount the battery, at least 6" of clearance must be considered.



Pedestal Mount spacing details - Side view

- Choose a location with at least 8" of space between a battery and the battery mounted in front.
- Select a smooth, flat concrete surface with a minimum thickness of 4" to hold the supplied anchor screws.

✓ **NOTE:** Minor unevenness in the concrete surface can be corrected by using the extra four flat washers included in the package.

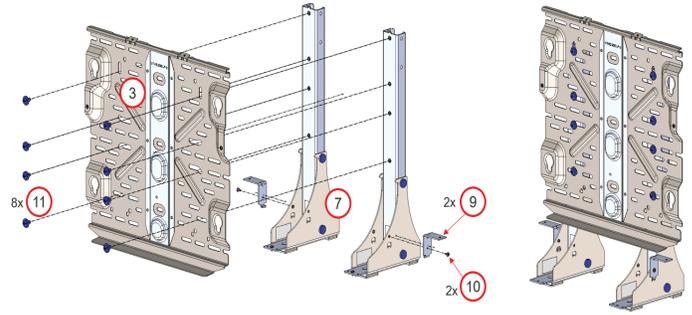
✓ **NOTE:** For the pedestal-mount configuration, the minimum distance between the floor and the bottom of the IQ Battery 5P unit is 5.5".

✓ **NOTE:** For the wall-mount configuration, the minimum distance between the floor or ground and the bottom of the IQ Battery 5P unit is 6".

2 Prepare the leg assembly

Items required for the step:

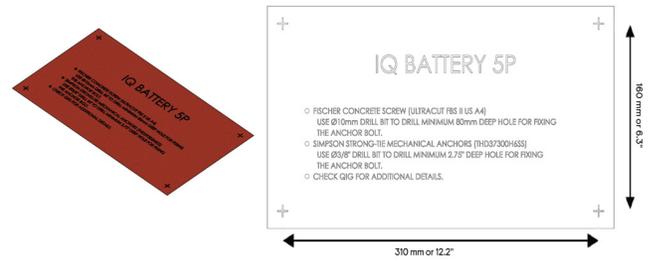
LABEL	DESCRIPTION	QUANTITY
3	Bottom mounting bracket	1
7	Pedestal bracket assembly	2
9	L bracket	2
10	Screw, M4×0.4"	2
11	Screw, M8×0.7"	8



- Place the bottom mounting bracket aligned over the mounting holes on the pedestal bracket assembly.
- Screw the bottom mounting bracket onto the pedestal bracket assembly using the eight M8 screws (torque to 12.5 ft-lb).
- Attach the L brackets onto the pedestal bracket assembly using the two M4 screws (torque to 1.1 ft-lb).

3 Drill holes in the floor for installation

- Use the paper board template provided with the Pedestal Mount kit to mark the drill holes in the floor.
- Fix the paper board template on the identified smooth and flat concrete surface.



✓ **NOTE:** The surface at the drilling location should be at least 4" thick to support the floor mount installation.

✓ **NOTE:** To ensure that there is no misalignment, installers can verify the alignment of anchor holes of the leg assembly with drilling points on the template by placing the leg assembly on the template before drilling the holes.

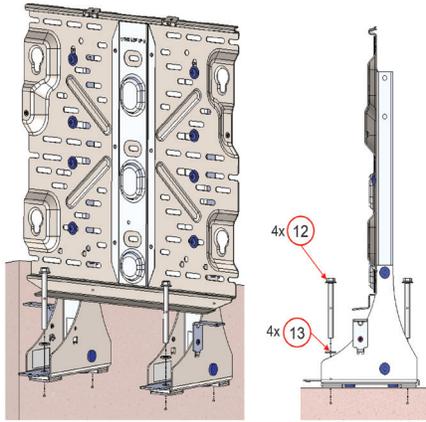
- Drill a hole with 3/8" diameter and 2 3/4" depth through the fixture and into the concrete.
- Clean the drill holes thoroughly.
- Remove the paper board template.

4 Secure the leg assembly on the floor

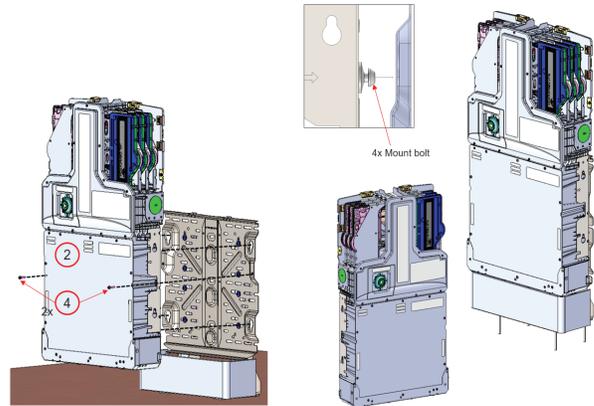
Items required for the step:

LABEL	DESCRIPTION	QUANTITY
12	3/8"×3" long anchor screw	4
13	M10 flat washer	4

Secure the pedestal assembly on the floor using four 3/8"×3" long anchor screws and four M10 flat washers (torque to 40 ft-lb).



Mount the battery unit to the bottom mounting bracket (on the keyhole slot) using mount bolts, and fasten the seismic screws (torque to 4.1 ft-lb) according to the *IQ Battery 5P Quick Install Guide*.

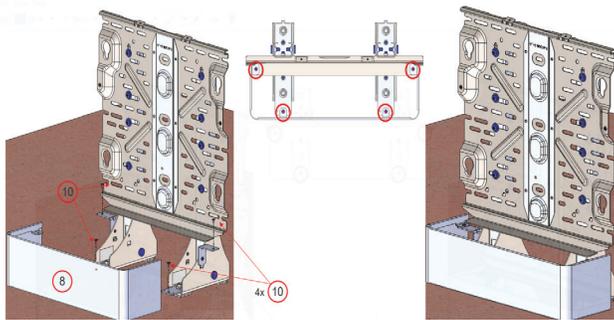


5 Fix the pedestal cover on the leg assembly

Items required for the step:

LABEL	DESCRIPTION	QUANTITY
8	Pedestal cover	1
10	Screw, M4×0.4"	4

Assemble the pedestal cover onto the L-brackets using four M4 screws (torque to 1.1 ft-lb), as shown in the following image.

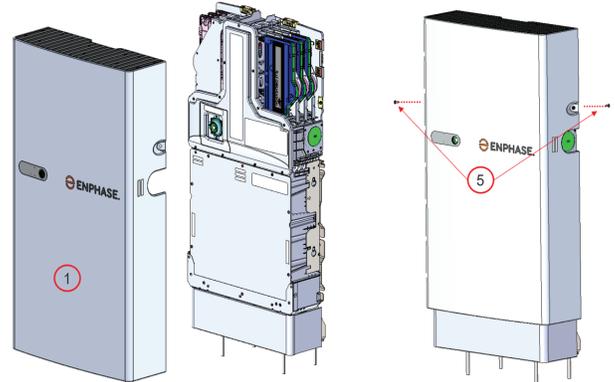


7 Fix the battery cover on the IQ Battery 5P unit

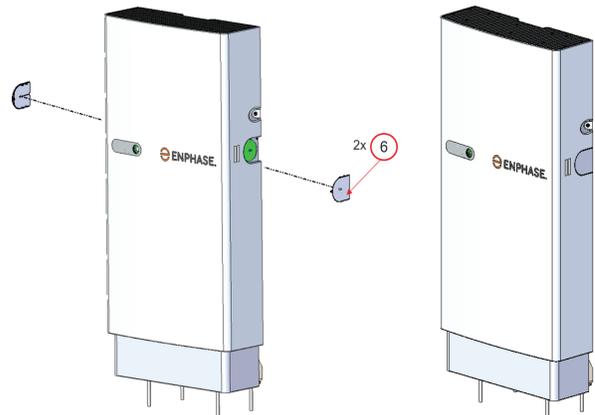
Items required for the step:

LABEL	DESCRIPTION	QUANTITY
1	IQ Battery 5P cover	1
5	Battery cover grounding screws	2
6	Conduit cover	2

- A. Assemble the battery cover to the battery unit and fasten the battery cover grounding screws (torque to 2.2 ft-lb) according to the *IQ Battery 5P Quick Install Guide*.



- B. Use conduit covers to close the unused conduit openings on the battery.



- C. This completes the IQ Battery 5P installation on a Pedestal Mount. To finish the installation and energize the battery, follow the instructions in the *IQ Battery 5P Quick Install Guide*.

✓ **NOTE:** Install the pedestal cover before installing the IQ Battery 5P unit.

6 Mount IQ Battery 5P unit on the leg assembly

Items required for the step:

LABEL	DESCRIPTION	QUANTITY
2	IQ Battery 5P unit	1
4	Seismic screw	2

WARNING! Risk of injury and equipment damage. Two persons are required to lift the IQ Battery 5P.

WARNING! Lift the IQ Battery 5P using the handles, with the battery's front side facing you.

SAFETY

IMPORTANT SAFETY INSTRUCTIONS. SAVE THESE INSTRUCTIONS. This guide contains important instructions that you must follow during the installation and maintenance of the Enphase IQ Battery(ies). Failing to follow any of these instructions may void the warranty (enphase.com/warranty).

In Case of Fire or other Emergency

In all cases:

- If safe to do so, switch off the AC breaker for the IQ Battery 5P circuit, and if an isolator switch is present, switch off the AC isolator for the IQ Battery 5P circuit.
- Contact the fire department or other required emergency response team.
- Evacuate the area.
- Contact Enphase Support at <https://enphase.com/contact/support>.

In case of fire:

- When safe, use a fire extinguisher. Suitable types are A, B, and C dry chemical fire extinguishers. Additional extinguishing media include carbon dioxide or alcohol-resistant foams.

In case of flooding:

- Stay out of the water if any part of the IQ Battery(ies) or wiring is submerged.
- If possible, protect the system by finding and stopping the source of the water and pumping it away.
- If water has contacted Enphase equipment, such as IQ Battery(ies), IQ System Controller, IQ Combiner, or IQ Gateway they should be replaced. Please work with your installer to evaluate the next steps.

In case of unusual noise, smell, or smoke:

- Ensure nothing is in contact with the IQ Battery(ies) or in the venting area of the IQ Battery(ies).
- Ventilate the room.

In the event of an electrolyte leakage:

The Enphase IQ Battery 5P has a lithium iron phosphate (LFP) battery that contains organic electrolyte and is sealed in a protective case. A leaked electrolyte is toxic and highly flammable. A leaked electrolyte is colorless and has a sweet odor. Electrolyte fluid tends to evaporate quickly, leaving behind a white grainy substance. If an odor is obvious, proceed to the following steps:



DANGER! DO NOT TOUCH OR INGEST ANY LIQUID SUSPECTED TO BE BATTERY ELECTROLYTE.

- Evacuate personnel to a safe area and keep unauthorized personnel away.
- Isolate the spill area to a minimum distance of 75 feet (25 meters).
- Eliminate all ignition sources (no smoking, sparks, flames, or hot equipment) in the immediate area around the spill.
- Do not touch or walk through spilled material.
- Avoid breathing vapors. Ensure adequate ventilation.
- Use personal protective equipment.
- Emergency Telephone Number (ChemTel):
 - Inside United States Territories and Canada: (800) 255-3924
 - Outside United States Territories and Canada: +01 (813) 248-0585

Safety and Advisory Symbols

	DANGER: This indicates a hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING: This indicates a situation where failure to follow instructions may be a safety hazard or cause equipment malfunction. Use extreme caution and follow instructions carefully.
	NOTE: This indicates information particularly important for optimal system operation. Follow instructions carefully.

Safety Instructions

	DANGER: Risk of electric shock. Risk of fire. Only qualified electricians should install, troubleshoot, or replace the IQ Battery(ies).
	DANGER: Risk of fire or explosion. Only qualified personnel using personal protective equipment (PPE) should transport or handle the IQ Battery(ies).
	DANGER: Risk of explosion. Do not dispose of IQ Battery(ies) in a fire or by burning. The IQ Battery(ies) can explode.
	DANGER: Risk of fire or explosion. This product is designed for stationary installation only and should be used accordingly. It is not designed for mobile applications such as installation and on vehicles and trailers and should not be used in such applications.
	DANGER: Risk of fire. During use, when stored, or during transport, keep the IQ Battery(ies) in an area that is well-ventilated and protected from the elements, where the ambient temperature and humidity are within -20° C to 55° C (-4° F to 131° F) and 5% to 100% RH, non-condensing, preferably out of direct sunlight. Do not install the IQ Battery(ies) at elevations over 2,500 m (8,202 feet) above sea level.
	DANGER: Risk of fire. If the IQ Battery(ies) generate smoke, remove AC power from the Enphase System and turn the DC connect switch to the off position so that charging/discharging stops.
	DANGER: Risk of electric shock. Do not use Enphase equipment in a manner not specified by the manufacturer. Doing so may cause death or injury to persons or damage to equipment.
	DANGER: Risk of electric shock. Do not install the IQ Battery(ies) without first removing AC power from the photovoltaic system. Disconnect the power coming from the photovoltaics before servicing or installing.
	DANGER: Risk of electric shock. Always de-energize the AC branch circuit during an emergency and/or before servicing the IQ Battery(ies).
	DANGER: Risk of electric shock. Risk of high short-circuit current. Observe the following precautions when working on batteries: <ul style="list-style-type: none"> • Remove watches, rings, or other metal objects. • Use tools with insulated handles. • Wear insulating gloves and boots. • Do not lay tools or metal parts on top of batteries.

	DANGER: Risk of electric shock. Risk of fire. Do not work alone. Someone should be in the range of your voice or close enough to come to your aid when you work with or near electrical equipment.
	DANGER: Risk of fire. Do not allow or place flammable, sparking, or explosive items near the IQ Battery(ies).
	DANGER: Risk of electric shock. In areas where flooding is possible, install the IQ Battery(ies) at a height that prevents water ingress.
	DANGER: Risk of electric shock. AC voltage is present at the output when the DC switch is on.
	DANGER: Risk of electric shock. Branch circuit protection must be off before switching DC power on or off.
	DANGER: Risk of electric shock. The DC switch must be in the OFF position for shipping and service.
	WARNING: Risks of electric shock, energy hazard, and chemical hazard. Do not disassemble.
	WARNING: Risk of equipment damage. During use, storage, transport, or installation, always keep the IQ Battery(ies) in an upright position.
	WARNING: You must install the IQ Battery(ies) only on a suitable wall using an Enphase bottom mounting bracket.
	WARNING: Before installing or using the IQ Battery(ies), read all instructions and cautionary markings in this guide and on the equipment.
	WARNING: Do not install or use the IQ Battery(ies) if it has been damaged in any way.
	WARNING: Do not exceed the maximum number (1) of IQ Batteries in a 20 A AC branch circuit.
	WARNING: Do not sit on, step on, place objects on, or insert objects into the IQ Battery(ies).
	WARNING: Do not place beverages or liquid containers on top of the IQ Battery(ies). Do not expose the IQ Battery(ies) to liquids or flooding.
	WARNING: When placing the IQ Battery(ies) in storage, ensure that AC power is not present and that the DC switch is in the OFF position. While in storage, damage to the battery can occur from over-discharge. If the battery state of charge falls to 0%, the IQ Battery(ies) can be damaged or destroyed. Because of this, the IQ Battery(ies) must only be stored for a limited amount of time. <ul style="list-style-type: none"> • The IQ Battery(ies) must be installed and energized by the "Must Energize By" date on the shipping box label. • The IQ Battery(ies) must have a charge state of no more than 30% when placed in storage. To do this, the IQ Battery(ies) must be placed in Sleep Mode. • If the IQ Battery(ies) is already installed, it must be placed into Sleep Mode prior to uninstalling. A battery in Sleep Mode can be stored for a maximum of two months after being placed into Sleep Mode.
	NOTE: Perform installation and wiring, including protection against lightning and resulting voltage surges, in accordance with all applicable local electrical codes and standards.
	NOTE: Using unapproved attachments or accessories could result in damage or injury.
	NOTE: Install properly rated over current protection as part of the system installation.
	NOTE: To ensure optimal reliability and to meet warranty requirements, the IQ Battery(ies) must be installed and/or stored according to the instructions in this guide.
	NOTE: The Enphase IQ Battery(ies) are intended to operate with an Internet connection. Failure to maintain an Internet connection may have an impact on the warranty. See Limited Warranty for full terms and services (enphase.com/warranty).
	NOTE: When replacing Enphase IQ Battery(ies), you must replace it with an IQ Battery(ies) of the same type with the same AC current rating.
	NOTE: When disconnected and stored, no automatic charge of the battery is possible.
	NOTE: Properly mount the IQ Battery(ies). Ensure that the mounting location is structurally suited to bearing the weight of the IQ Battery(ies).
	NOTE: During use, storage, and transport, keep the IQ Battery(ies): <ul style="list-style-type: none"> • Properly ventilated • Away from water, other liquids, heat, sparks, and direct sunlight • Away from excessive dust, corrosive and explosive gases like ammonia, and oil smoke • Away from direct exposure to gas exhaust, such as from motor vehicles • Free of vibrations • Away from falling or moving objects, including motor vehicles. If mounted in the path of a motor vehicle, we recommend a 91 cm (36-inch) minimum mounting height • At an elevation of lower than 2,500 m (8,202 feet) above sea level • In a location compliant with fire safety regulations • In a location compliant with local building codes and standards
	NOTE: Conditions for the IQ Battery 5P installation site also apply to storage conditions.



Environmental Protection

ELECTRONIC DEVICE: DO NOT THROW AWAY. Waste electrical products should not be disposed of with household waste. Proper disposal of batteries is required. Refer to your local codes for disposal requirements.

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

Installer notes

Revision history

REVISION	DATE	DESCRIPTION
140-00295-03	February 2024	Updated the pedestal mount spacing details.
	September 2023	Web release.
140-00295-02	May 2023	Updated the layout diagram and made editorial changes.
140-00295-01	March 2023	Initial release.