

Installing the Enphase IQ Combiner Solar Shield

The IQ Combiner Solar Shield is an accessory for the IQ Combiner. When installed in place of the default solar shield, it allows the IQ Combiner to match the look of an Enphase Energy System (i.e., the look and feel of the Enphase IQ System Controller smart switch and the IQ Battery storage system).

Read and follow all warnings and instructions in this guide. If you do not fully understand any of the concepts, terminology, or hazards outlined in these instructions, refer installation to a qualified electrician or installer. These instructions are not meant to be a complete explanation of a renewable energy system. All installations must comply with national and local electrical codes. Professional installation is recommended.

SAFETY

IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS

This guide contains important instructions that you must follow during the installation of the Enphase IQ Combiner Solar Shield.

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. Do not attempt to repair the IQ Combiner. It contains no user-serviceable parts. If the equipment fails, contact Enphase customer support for assistance or replacement equipment (https://enphase.com/contact/support).
	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. Risk of fire. Only qualified personnel should troubleshoot, install, or add parts to the IQ Combiner or IQ Gateway.
	DANGER: Risk of electric shock. Risk of fire. Ensure that all wiring is correct and that none of the wires are pinched or damaged.
	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. Remove rings, bracelets, necklaces, watches etc. when working with batteries, photovoltaic modules or other electrical equipment.
	WARNING: Before installing or using the IQ Combiner, read all instructions and cautionary markings in the technical description and on the equipment.
	NOTE: Using unapproved attachments or accessories could result in damage or injury.

INSTALLATION

DANGER! Risk of electric shock. If the deadfront is removed, always de-energize the IQ Combiner before beginning the following procedure.

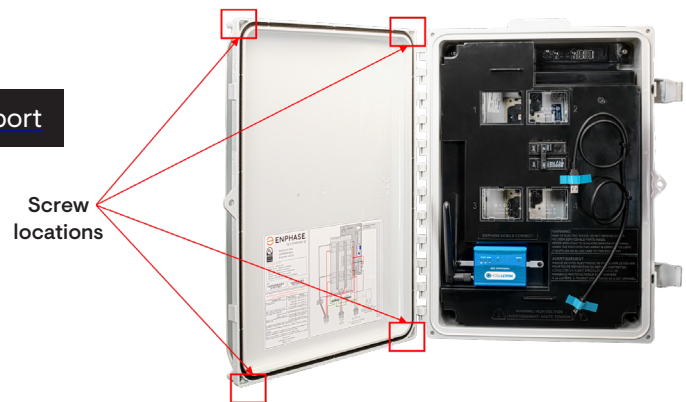
The IQ Combiner comes with a default solar shield that is light gray and does not match the look and feel of an IQ System Controller or IQ Battery.

The new IQ Combiner Solar Shield when installed ensures that the IQ Combiner matches the look of an IQ System Controller or IQ Battery.

You can install the IQ Combiner Solar Shield at any point during the Enphase Energy System installation or after the system is commissioned.



- A) If the deadfront is removed, check that the IQ Combiner is de-energized.
- B) Open the IQ Combiner door and unscrew and set aside the four Phillips head screws holding the existing solar shield in place. These screws are on the four corners of the enclosure door as shown in the image.
- C) Save the four screws since you will need these to attach the new solar shield.
- D) Remove the old solar shield.
- E) Hold the new IQ Combiner Solar Shield in place on the enclosure door.
- F) Using the four reserved Phillips head screws, attach the new solar shield in place. Torque fasteners to 2.67 N m/23.63 lb-in.



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

Revision history

REVISION	DATE	DESCRIPTION
140-00165-02	June 2023	Updated the document for product names and editorial changes
140-00165-01	March 2020	Initial release

