

Installing the Enphase Ensemble™ Combiner Solar Shield

The Ensemble Combiner Solar Shield is an accessory for the IQ Combiner 3C™. When installed in place of the default solar shield it allows the IQ Combiner 3C to match the look of an Ensemble system (i.e., the look and feel of the Enphase Enpower™ smart switch and the Enphase Encharge™ 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 installation of the Enphase Ensemble 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 Enphase Ensemble Combiner 3C. It contains no user-serviceable parts. If the equipment fails, contact Enphase Customer Support for assistance or replacement equipment (enphase.com/en-us/support/contact).
	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 Envoy.
	DANGER: Risk of electric shock. All sources to equipment being serviced must be disconnected external to the device. In particular, the storage system may energize conductors, so storage circuits must ALWAYS be isolated via circuit breaker or disconnect before working on any portion of the system.
	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.
	DANGER: Risk of electric shock. Risk of fire. Before making any connections verify that the circuit breakers are in the off position. Double check all wiring before applying power.
	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.

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INSTALLATION

DANGER! Risk of electric shock. Always de-energize the IQ Combiner before beginning the following procedure.

The IQ Combiner 3C comes with a default solar shield that is light gray in color and does not match the look and feel of an Enpower or Encharge device. The new Ensemble Combiner Solar Shield when installed ensures that the IQ Combiner 3C matches the look of an Enpower or Encharge device.

You can install the Ensemble Combiner solar shield at any point during the Ensemble system installation or after the system is commissioned.

- A) Check that the IQ Combiner is de-energized.
- B) Open the Combiner door and unscrew and set aside the four Philips 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 Ensemble Combiner solar shield in place on the enclosure door.
- F) Using the four reserved Philips head screws, attach the new solar shield in place.

