Application Note

Single SKU Residential Inverter Guidelines

Version 1.0

October 2025

MAN-01-01294-1.0

Table Of Contents

Revision history

Revision	Date	Description
1.0	October 2025	Initial release

Introduction

SolarEdge is introducing a single stock keeping unit (SKU) capability to residential single phase Home Hub inverters. This capability enables easier logistics and operations management by consolidating the quantity of inverter SKU's and reducing them to a single part number.

Key take aways

- There is no change to inverter model numbers, listing, and current power class availability.
- Inverter part numbers have been updated.
- Inverter power class can now be selected by the installer in the field during the commissioning process.
- The commissioning process is now supported by a new commissioning application, SolarEdge Go, instead of SetApp. See the QR code at the end of this document for installing SolarEdge Go.

Inverter part number update with respect to inverter model number

As noted above, there is no change to the inverter model numbers, which are now available with an update to the part number that consolidates multiple power class options within a single inverter part number.

Table 1 below displays the part number updates for inverter model numbers that remain unchanged.

Model Number	Maximum AC Power Output (W)	Previous Inverter part number	New Inverter part number
SE3800H-US	3800 @ 240V 3300 @ 208V	USE3800H-USMNBE78	USE11400H-USSKBEZ8
SE5700H-US	5760 @ 240V 5000 @ 208V	USE5700H-USMNBE78	
SE7600H-US	7600 @ 240V 6600 @ 208V	USE7600H-USMNBE78	
SE9600H-US	9600 @ 240V 8300 @ 208V	USE9600H-USMNBE78	
SE10000H-US	10,000 @ 240V 8700 @ 208V	USE10000H-USMNBE78	
SE11400H-US	11,400 @ 240V 10,000 @ 208V	USE11400H-USMNBE78	

Table 1: Model Number with corresponding part number information

Locking the inverter model and power class onsite

The inverter model and its respective power class must be selected onsite by the installer during the commissioning process. The selected inverter model and power class must match the plan sets approved by the AHJ and the Utility. When the installation and commissioning of the inverter is complete, the inverter model and power class selected during the process will be permanent and locked and cannot be modified in the field. The selection may be changed with the assistance of SolarEdge Support.

Inverter part number and model number

For a given solar project, make use of the inverter part number or the inverter model number, according to the following:

- For procurement, ordering and distribution professionals, the inverter part number is the most relevant.
- For design, engineering, and permit approval professionals, the inverter model number is the most relevant.

Design and approvals – based on Model Number

The inverter model number denotes the power class of the inverter and corresponds to inverter specifications from the datasheet. These specifications shall be used for designing other parts of the system including, but not limited to, cable ampacity, grounding, and over-current protection devices (OCPD's). All paperwork, plan sets, and approval correspondence with utility, authority having jurisdiction (AHJ), or other agencies, shall use the model number of the inverter.

Listings, Certifications and Compliance

Inverter listings and certifications are awarded by the inverter's model number. The single SKU inverter offerings from SolarEdge are listed to all the same UL certifications, IEEE listings, and CEC (or other state specific) lists as before according to their model variants (example: SE11400H-US, or SE7600H-US). Refer to the inverter datasheet to review specifications using the inverter model number.

Procurement and ordering – based on Part Number

The inverter part number denotes specific components and build changes to the inverter, including the location of manufacturing. When ordering, planning logistics, or forecasting demand, the part number of the inverter shall be used.

Power class selection process

Prior to the introduction of single SKU, inverter model and power class were determined as part of the build process at the factory. With single SKU capability enabling reduction in SKU count, multiple inverter models have the same part number. This means that the model number and the corresponding power class of the inverter must be chosen as part of the commissioning process onsite.

There are two key steps to set the power class and the model of the inverter:

Applying model label sticker to the inverter

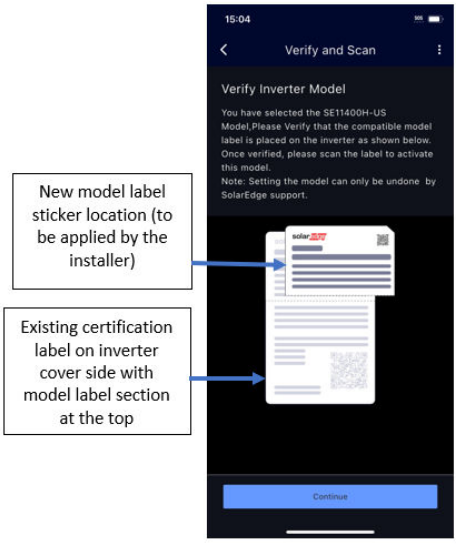
Apply the new physical model label sticker to the top section of the existing certification label found on the side of the inverter. This is applicable when setting all power class models excluding the SE11400H-US. The existing label on the inverter cover comes with SE11400H-US model label from the factory. The label stickers for all power class models are provided with the inverter. Choose the respective label sticker for your power class selected and apply to the top section of the existing label as shown below. The model label sticker must be applied such that it is properly aligned and contained within the top section of the existing label.

Choosing the desired model power during commissioning

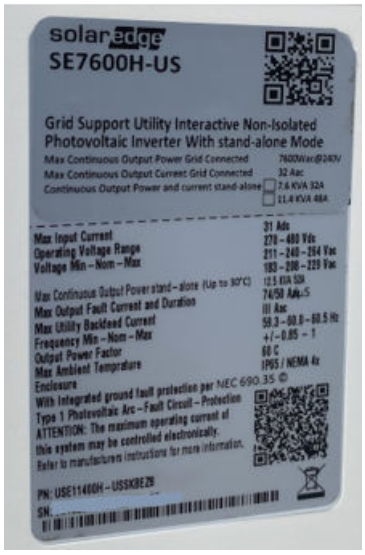
Follow the commissioning steps in the SolarEdge Go application and, when prompted, choose the desired power model from the drop-down menu as shown below.

NOTE

SolarEdge Go validates that the model sticker applied matches the model label selected during the commissioning process by scanning the QR code on the sticker. If there is a mismatch between the selected model power class and the sticker, SolarEdge Go shall not proceed to the next commissioning step until resolved.



Inverter certification and model label sticker



Example showing a new SE7600H-US model sticker label applied to the top section of existing certification label

SolarEdge Go app drop-down where desired model power class is selected

Installing SolarEdge Go, the new commissioning application

SolarEdge is introducing a new smartphone commissioning application, SolarEdge Go. Scan the QR code(s) below to install the application on your mobile device.

SolarEdge GO

SolarEdge GO

Commissioning process and setting inverter power class model

The installer connects to the inverter using the new smartphone application SolarEdge Go, to choose the inverter country and grid settings, as well as other operating parameters. The installer will be prompted to set the inverter model as part of choosing other configuration options and software parameters.

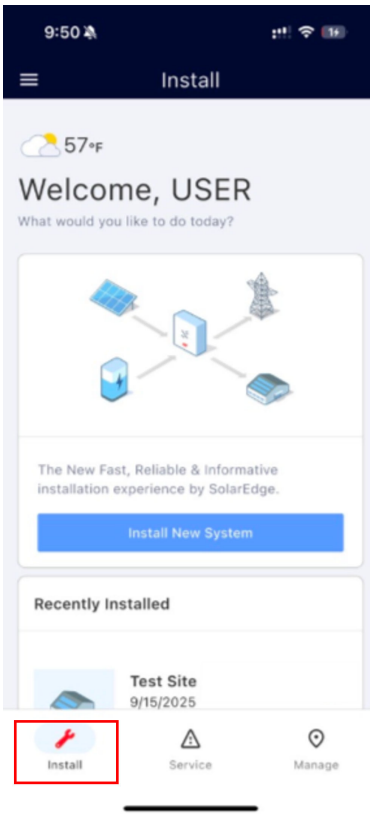
The screenshots below outline inverter commissioning steps in SolarEdge Go for setting the desired inverter model power class. In the example shown, the installer started with the application of the desired model sticker label - SE5700H-US, on the top section of the existing certification label, found on the side of the inverter as shown in picture (d).

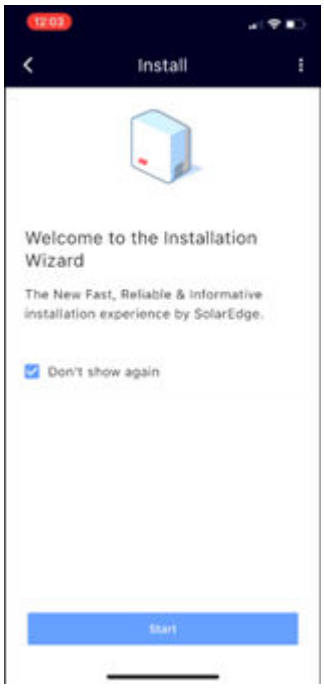
NOTE

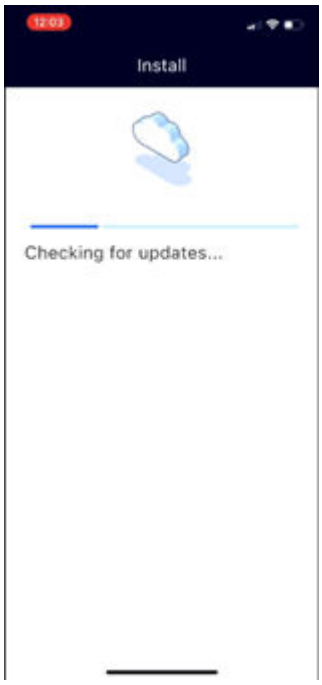
While many of the inverter settings in SolarEdge Go can be modified, once the inverter model and power class has been chosen, the selection cannot be changed without the assistance of SolarEdge Support.

The selected inverter model and power class must match the project plan set and overcurrent protection devices approved by the AHJ and the Utility.

It is recommended to apply the desired model label sticker before mounting the inverter on the wall to allow for easy sticker application, especially if the wall space onsite is limited with awkward positioning that may cause misplacement of the sticker.

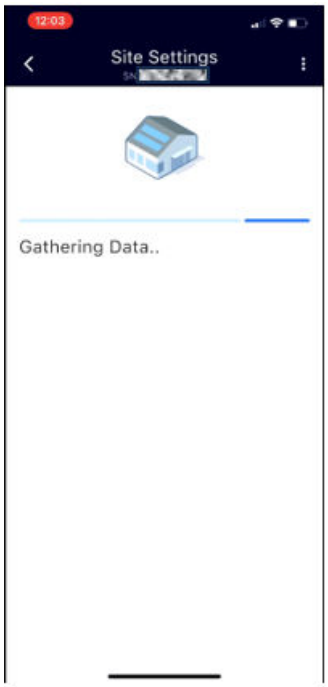






(a)

(b)



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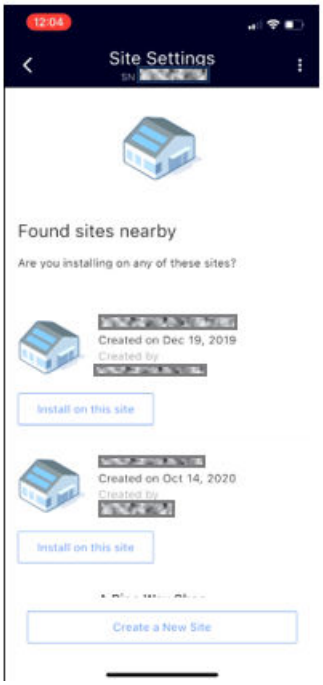

(d)

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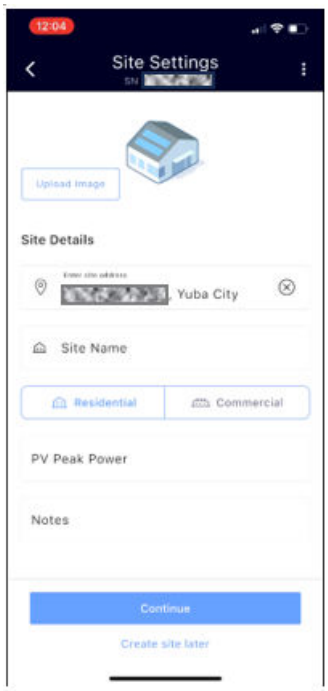
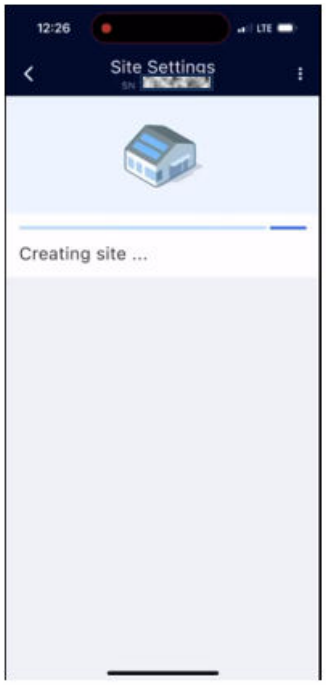
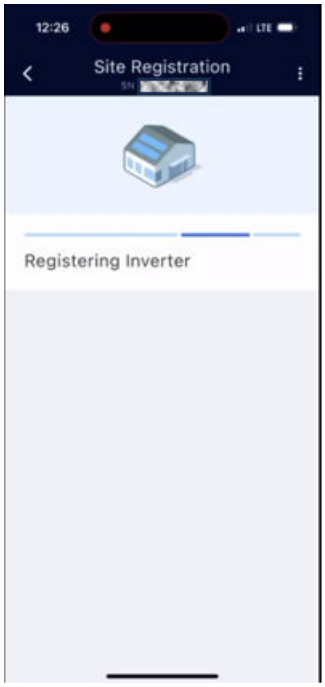
(f)



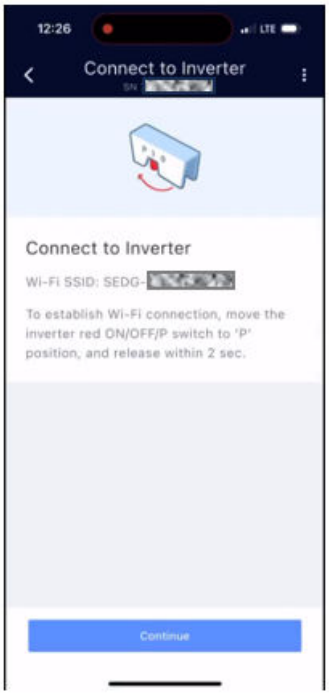




(g)

(h)

(i)



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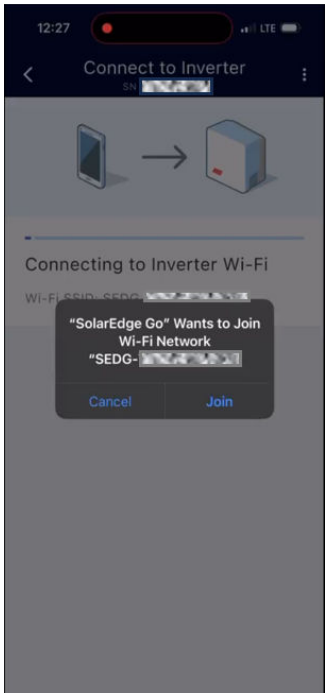
(k)



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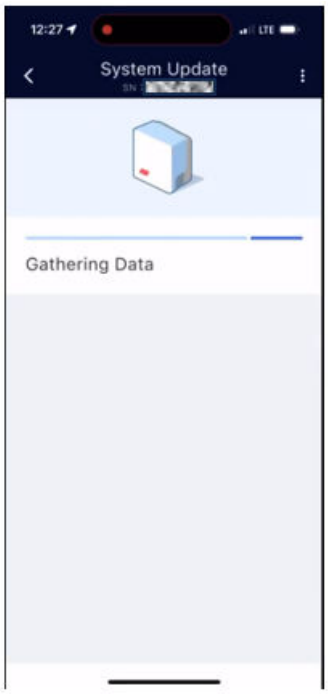

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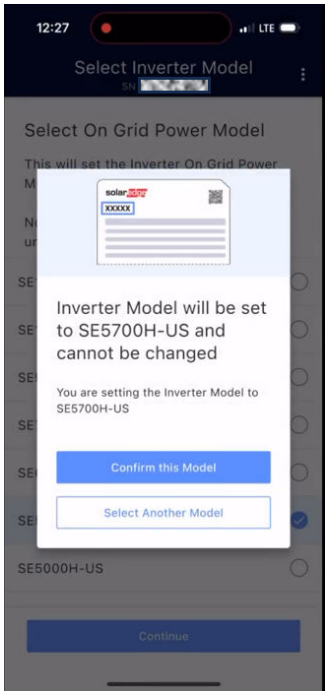


(o)

IMPORTANT

After desired model power class is set, proceed with upgrading firmware as prompted on SolarEdge Go. Follow the commissioning wizard for the rest of the commissioning process – setting grid country code, optimizer pairing, setting communication & other accessories as per system configuration. Finally generate the commissioning report.

Skipping Site Creation

SolarEdge Go provides the option to create a new site if desired, as shown in (f), when installing a new inverter.

Creating a new site can be skipped by clicking on Create a New Site in (f) and then choosing Create Site Later as seen in (g).

If the Create Site Later option is chosen, SolarEdge Go will attempt to connect to the inverter in (j), skipping creating site and registering inverter, in (h) and (i) respectively.

A new site can be created later if creating a new site is skipped during commissioning.

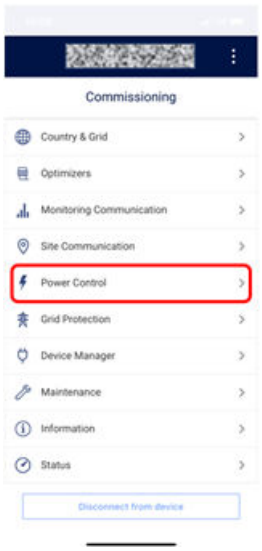
NOTE

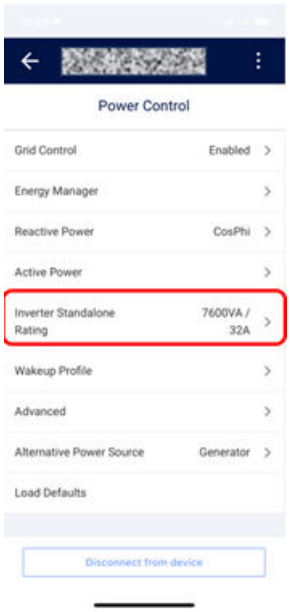
Skipping creating a new site can be utilized by installers installing a new site for an account that they may not be associated with.

Setting Backup Power

If the system is installed to support backup/standalone applications, the backup/standalone power can be set by following steps below on SolarEdge Go.

1. Go to the main menu by clicking on three dots on the top right corner
2. Click on Power Control
3. Click on Inverter Standalone Rating
4. Choose a desired Inverter Standalone Rating





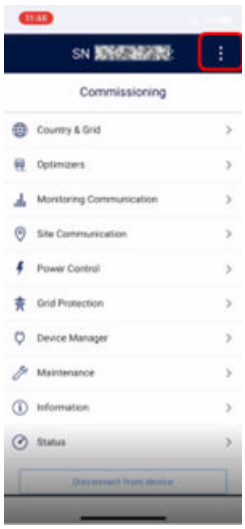
Commissioning Report

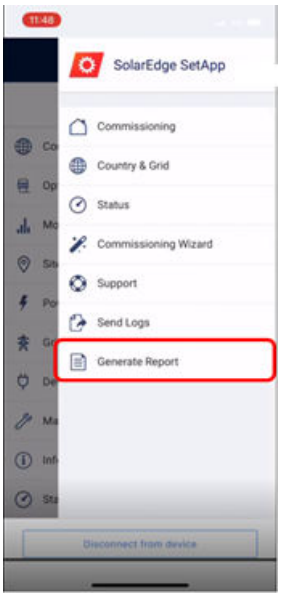
Once the system is successfully commissioned, a commissioning report including the site and inverter setting details can be generated. It is recommended that this step be performed after the system installation and commissioning is completed and SolarEdge Go is connected to the inverter.

This report may be shared with Utility, AHJ, or other agencies for the purpose of validating the inverter model & power class set at a site.

Commissioning report can be generated by following the commissioning wizard on SolarEdge Go, or by following steps below.

1. Click on three dots on the top right corner of the SolarEdge Go screen
2. Click on Generate Report

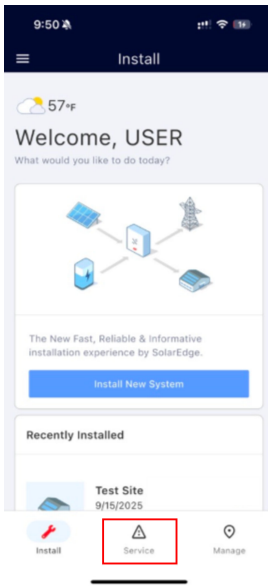


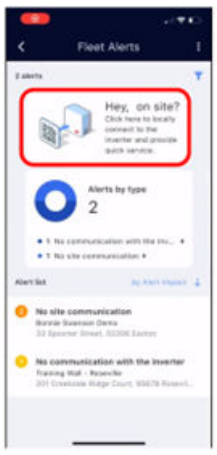


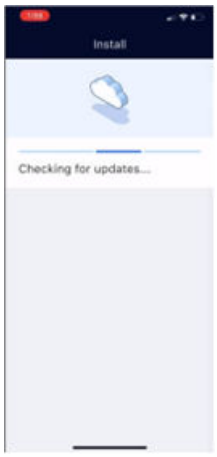
Servicing and RMA's

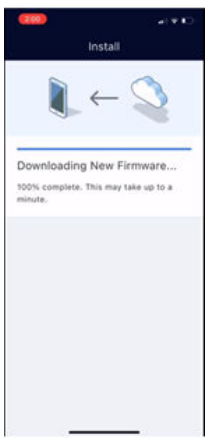
An Authorized Service Provider can service an existing inverter by going into the Service option on SolarEdge Go and connecting to the inverter as shown below.

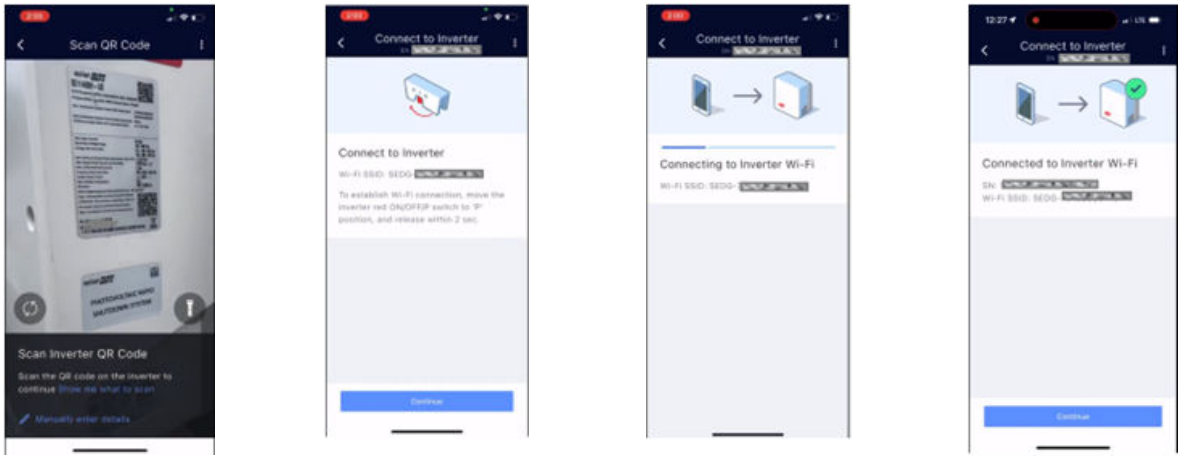
When performing an RMA with a single SKU inverter, follow the same steps below to connect to the new inverter and proceed with commissioning. An admin with site permissions in SolarEdge Monitoring platform is required to update the inverter S/N after the RMA is complete.











Installer Errors

Clear and specific instructions for the updated commissioning application process and power class model selection steps are included in the inverter installation guide as well as throughout the SolarEdge Go commissioning process. If a mistake does occur, the below options are available.

SolarEdge Go Inverter Model Number Selection Error

The SolarEdge Go model power class selection is only reversible with the assistance of SolarEdge's Support team. The inverter must be connected to the internet before a power class selection error can be resolved via SolarEdge Support. Using a cell phone hot spot would be one way to get a temporary internet connection on the inverter and connect with SolarEdge Support to resolve the issue. SolarEdge Support contact number: 510-498-3200. You can also contact SolarEdge Support by clicking on the main menu inside SolarEdge Go.

In case of model label error

In case of lost or damaged model label, you can request a new label from SolarEdge Support by referencing P/N - FLD-SS-00002. Contact information for SolarEdge Support is noted in the section above.

Additional training resources

Scan QR code below to view a video (coming soon) on the commissioning process with the single SKU inverter on SolarEdge Go.

Training Video

Brooks Engineering Confirmation

Brooks Engineering
3949 Joslin Lane
Vacaville, CA 95688
(Voice) 707-332-0761
(email) bill@brooksolar.com

September 2025

RE: Support for SolarEdge Home Hub Single SKU Inverters—Power Class Selection Document

To whom it may concern:
This letter is to provide support for the methodologies employed by SolarEdge for the power class selection of their domestic content Home Hub single SKU inverters. The SolarEdge residential line of single-phase inverters have been simplified to a single inverter part number that is capable of being configured in several different power classes. The hardware for each part number is identical, and the firmware for the power class can be set in the field by the installer through the SolarEdge Go commissioning application.

The purpose of this flexibility is so that SolarEdge and the users of their products can source a fewer number of parts and then set them in the field in accordance with the plans and interconnection application documentation. SolarEdge worked with Brooks Engineering to refine a system by which the power class of an inverter can be set in the field to match the requirements of the installation.

Enforcement officials from utilities and local building departments may understandably be concerned about the potential for errors that could have safety and compliance implications. To that end, SolarEdge has established a rigorous process to set and verify the power class of their inverters to ensure safety and compliance with interconnection requirements of utility companies.

The power class and interconnection requirements are crucial for the proper installation of grid-connected inverters. The power class impacts the conductor size, overcurrent device size, and the building distribution equipment to which it is connected. The power class also impacts the utility interconnection agreements and may directly relate to compliance with tariff limitations. Clarity and accuracy with the power class settings, and the associated documentation, is essential to a robust and transparent equipment ratings process.

Brooks Engineering, and SolarEdge engineers have developed a process whereby the power class of an inverter is set to match the construction documents and utility agreements while providing multiple methods to verify that the power class has been set correctly. The settings for power class cannot be modified by installer once they are locked in. This is to ensure that the settings present when enforcement inspects the units are not changed. The document cited in this letter details how the installer sets the power class of a SolarEdge inverter and how the installer can show documentation that the power class matches the construction documents for inspectors and utility personnel.

Engineering Consulting for the Solar Industry

Brooks Engineering
3949 Joslin Lane
Vacaville, CA 95688
(Voice) 707-332-0761
(email) bill@brooksolar.com

This concludes my assessment of the SolarEdge document that details how to set the power class of various SolarEdge inverters. The method used to set and verify the power class of these inverters is reliable and provides enforcement with the necessary assurance that the equipment is properly installed in accordance with the ratings and physical installation criteria. Should anyone in enforcement have questions about these methodologies, please direct these questions via email to bill@brooksolar.com.

Sincerely,

Bill Brooks, P.E.
Principal of Brooks Engineering
Email: Bill@BrookSolar.com

Engineering Consulting for the Solar Industry