

Activate your Enphase System using the new Activations page

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Summary

The existing Activation page in the Enphase Installer Portal that opens when the user tries to add a new system has been revamped with new advanced and additional features. This user guide describes all the key features introduced as part of this new Activation page. **These features are currently available only for installers in North America.**

Background

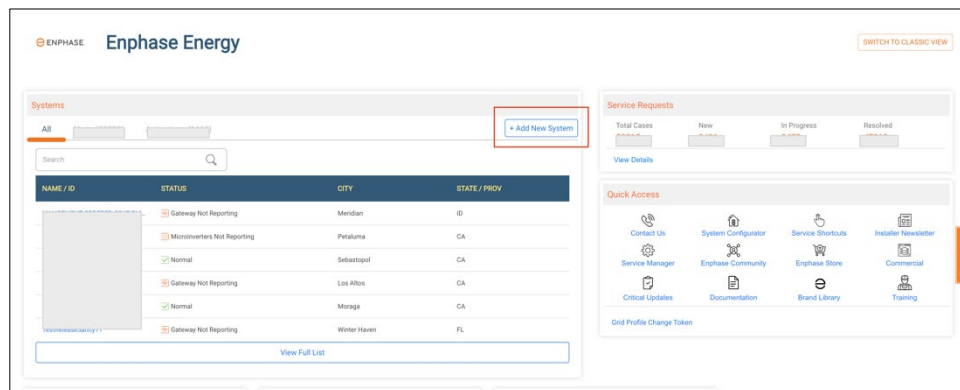
The present Activation page in the Enphase Installer Portal is a simple form that requests basic details from the user, such as system location, owner details, system type, and other details. Key commissioning activities like serial number scanning, provisioning, load control configuration, system design compatibility checks, and necessary validations were limited within the Enphase Installer App.

With the launch of the new Activation page, we have tried to facilitate the user to perform many commissioning tasks remotely from their office, whichever is possible. The main goal of introducing this new page for our installers is to reduce the time they are required to spend in the field during commissioning activities.

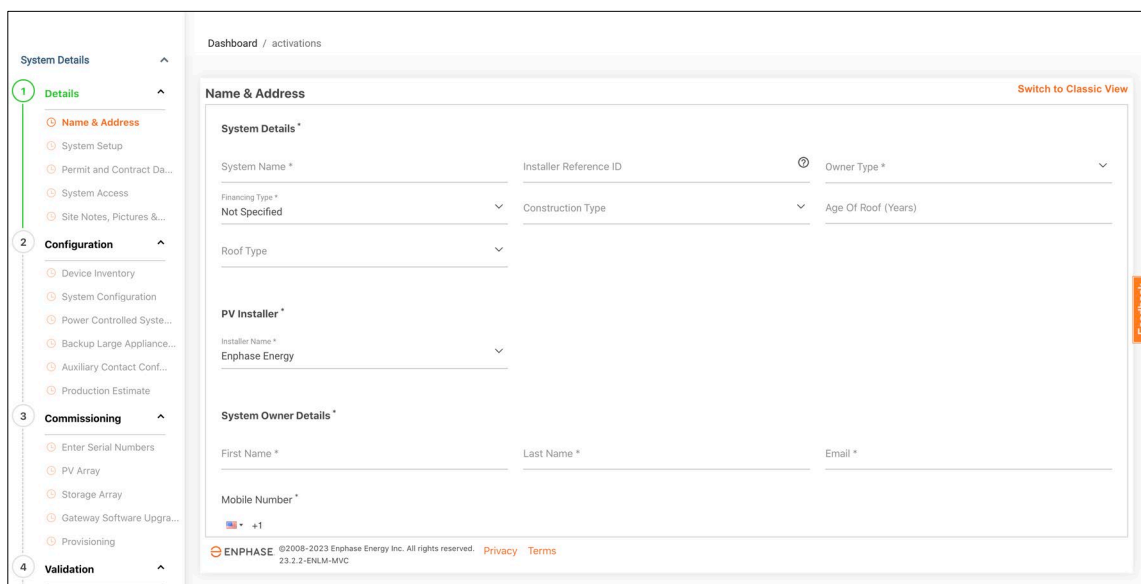
Accessing the new Activations page

To access the new “Activations” page, the user must perform the following steps:

1. Log in to the Enphase Installer Portal.
2. Click “+Add New System” on the Dashboard page of the Enphase Installer Portal.



3. The “activations” page for the “Details” section displays.



Dashboard / activations

System Details

1 Details

2 Configuration

3 Commissioning

4 Validation

Name & Address

Switch to Classic View

System Details *

System Name * Installer Reference ID Owner Type *

Financing Type * Construction Type Age Of Roof (Years)

Roof Type

PV Installer *

Installer Name * Enphase Energy

System Owner Details *

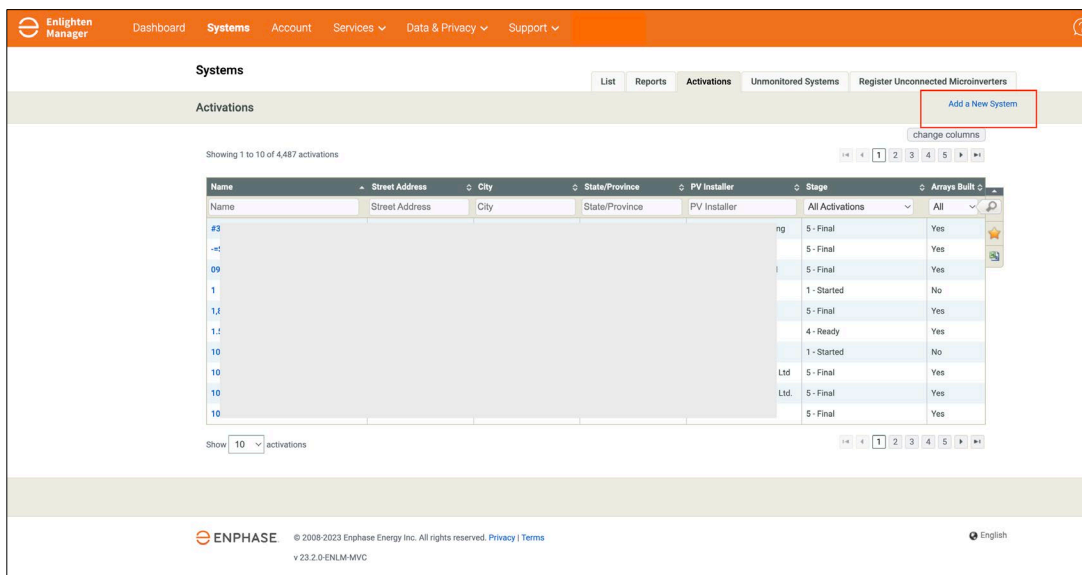
First Name * Last Name * Email *

Mobile Number *

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Alternatively, the user can access the navigation page using the following steps as well:

- From the “Systems” tab, the installer can navigate to the “Activations” list and click the “Add a New System” in the top right corner, as shown.



Enlighten Manager Dashboard Systems Account Services Data & Privacy Support

Systems

List Reports Activations Unmonitored Systems Register Unconnected Microinverters

Activations

Add a New System

change columns

Showing 1 to 10 of 4,487 activations

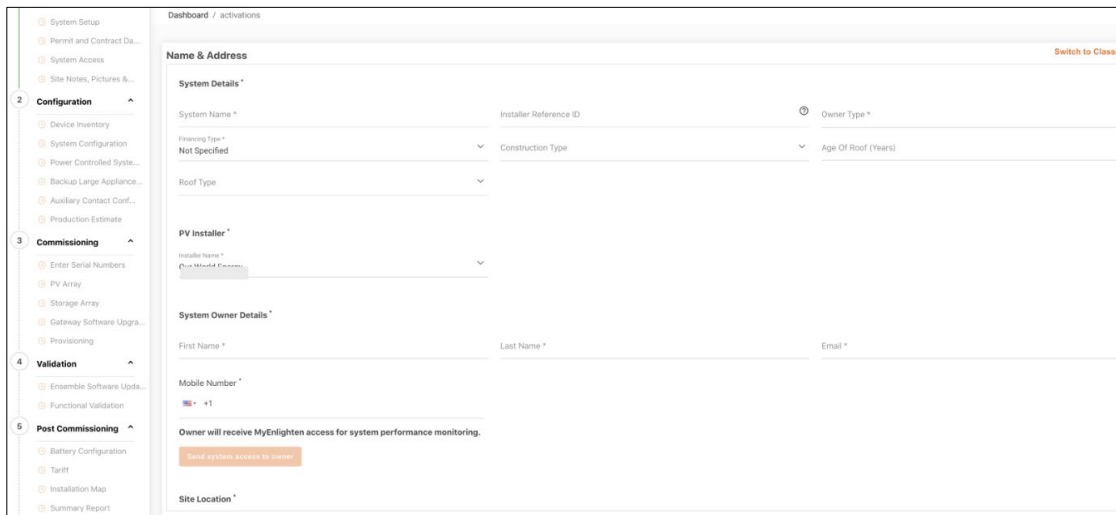
| Name | Street Address | City | State/Province | PV Installer | Stage | Arrays Built |
|------|----------------|------|----------------|--------------|-------------|--------------|
| #3 | | | | | 5 - Final | Yes |
| 09 | | | | | 5 - Final | Yes |
| 1 | | | | | 1 - Started | No |
| 1.1 | | | | | 5 - Final | Yes |
| 1.1 | | | | | 4 - Ready | Yes |
| 10 | | | | | 1 - Started | No |
| 10 | | | | | 5 - Final | Yes |
| 10 | | | | | 5 - Final | Yes |
| 10 | | | | | 5 - Final | Yes |

Show 10 activations

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English

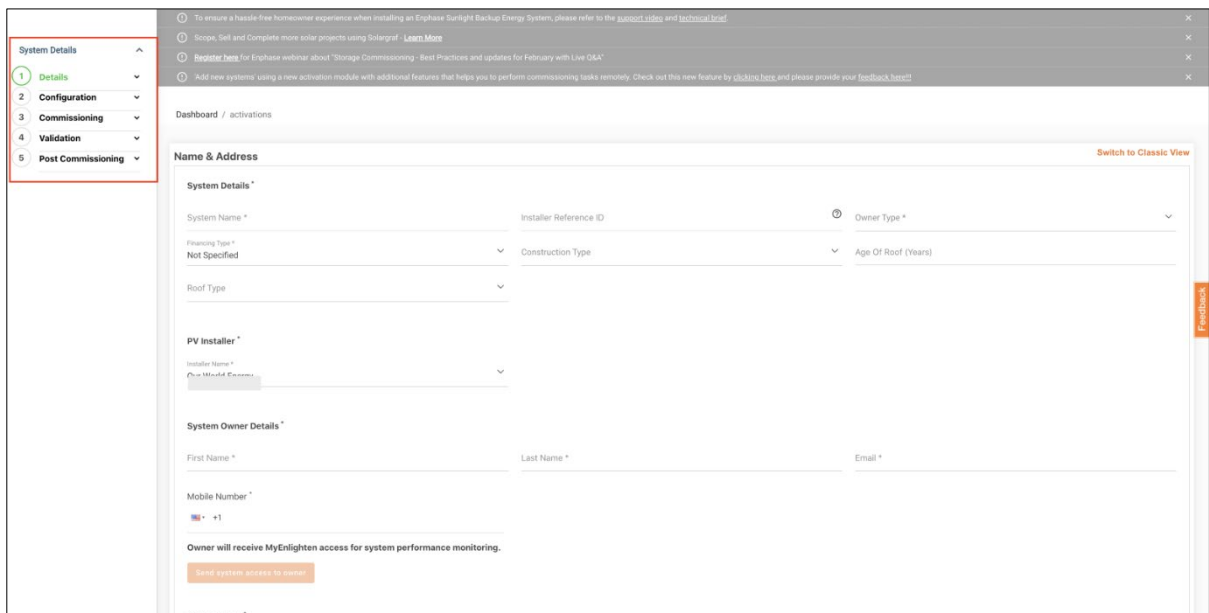
- The “activation” page for “Configuration” section displays.



Navigating through the new activation page

The “activations” page for the following sections is:

1. Details
2. Configuration
3. Commissioning
4. Validation
5. Post Commissioning



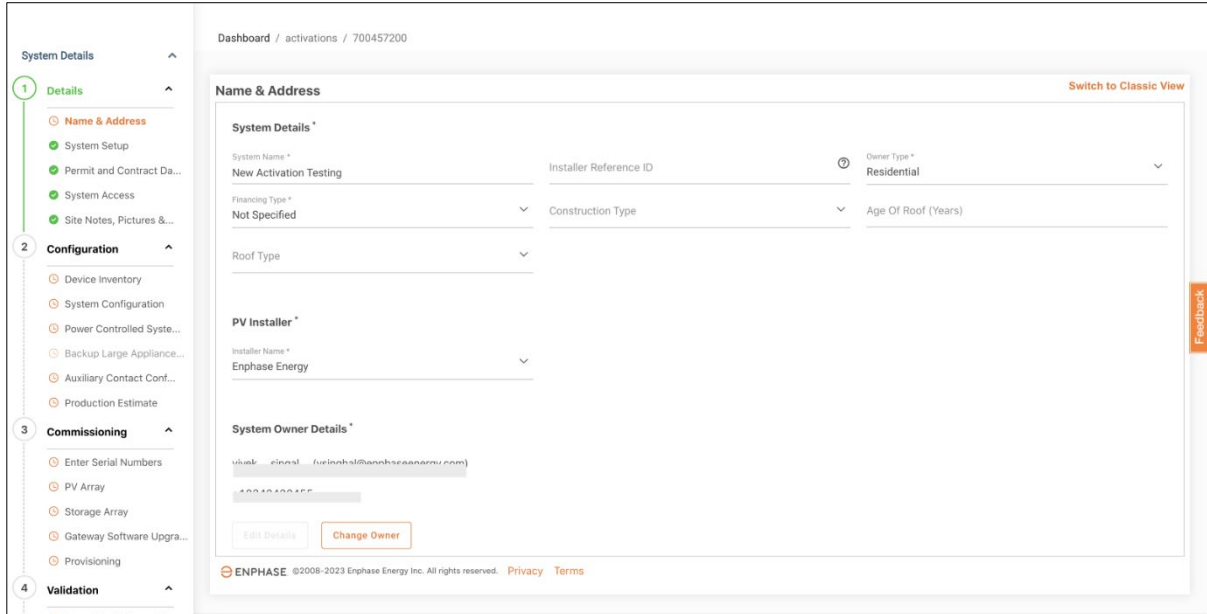
The following sections highlights the key functionalities that the user can perform.

Details section

The “Details” section can be filled remotely in the installer’s office. It can be filled by any salesperson or other appropriate installation company stakeholder. One would not need to visit the system location to fill this section. This section consists of the following pages:

Name & Address

In the “Name & Address” section, the installer can create the system. To do so, the user must fill in relevant system details, such as the system name, owner type (residential or commercial systems), financing type (cash, loan, or PPA/leased), installer details, system owner and host details (if applicable), and the system address details.



Dashboard / activations / 700457200

Name & Address [Switch to Classic View](#)

System Details *

System Name * New Activation Testing Installer Reference ID ? Owner Type * Residential

Financing Type * Not Specified Construction Type Age Of Roof (Years)

Roof Type

PV Installer *

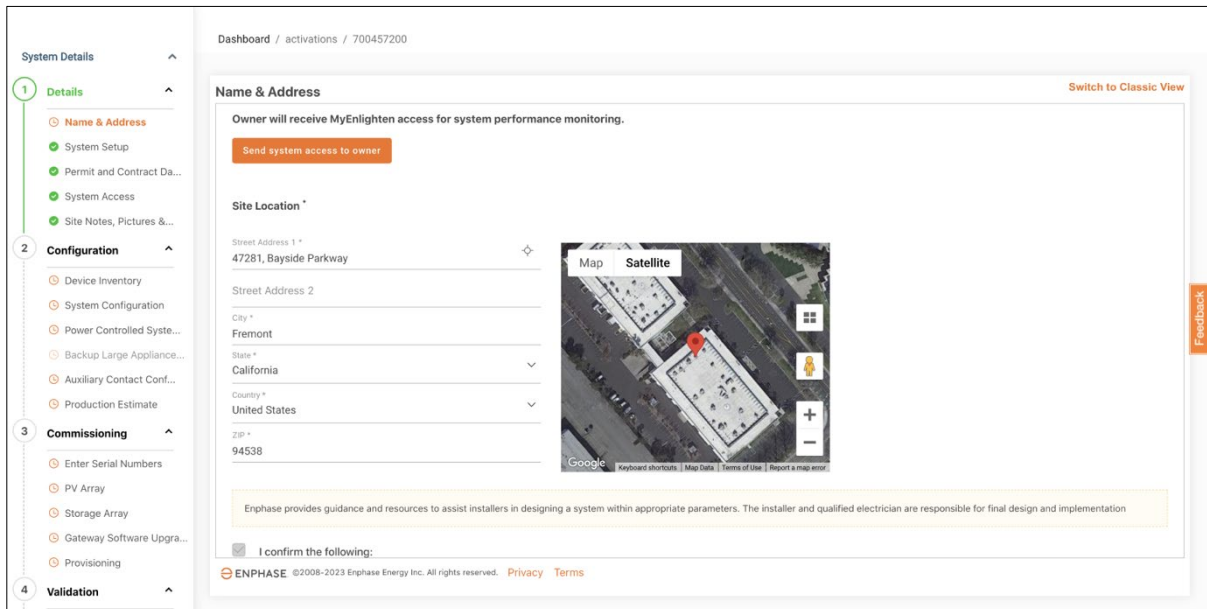
Installer Name * Enphase Energy

System Owner Details *

First Name * Last Name * Email * Phone *

[Edit Details](#) [Change Owner](#)

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Dashboard / activations / 700457200

Name & Address [Switch to Classic View](#)

Owner will receive MyEnlighten access for system performance monitoring.

[Send system access to owner](#)

Site Location *

Street Address 1 * 47281, Bayside Parkway

Street Address 2

City * Fremont

State * California

Country * United States

ZIP * 94538

Map Satellite

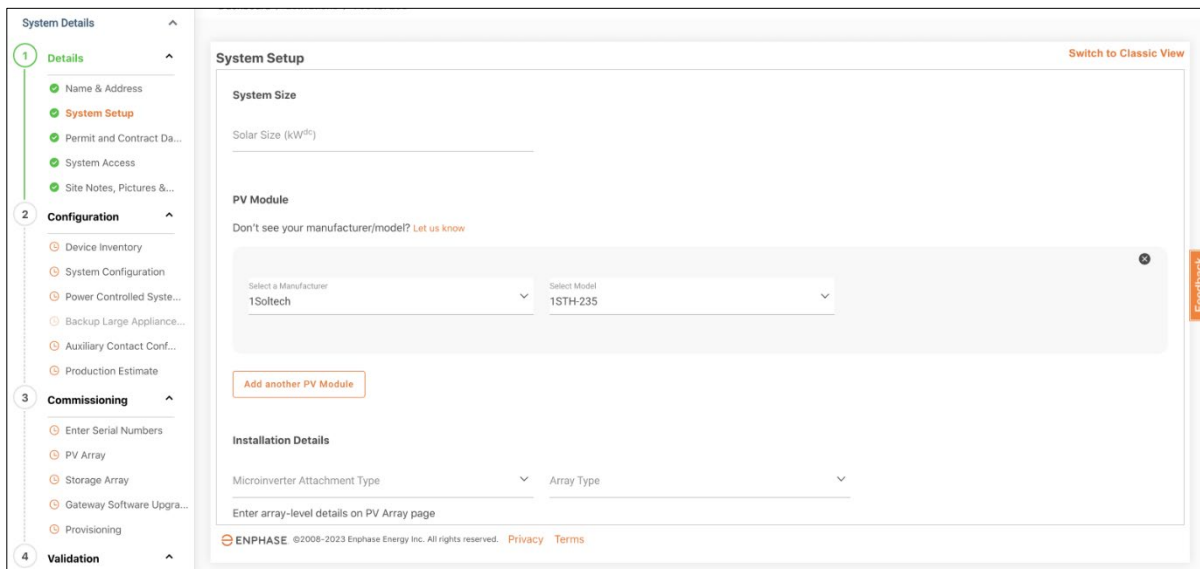
Enphase provides guidance and resources to assist installers in designing a system within appropriate parameters. The installer and qualified electrician are responsible for final design and implementation.

☒ I confirm the following:

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System Setup

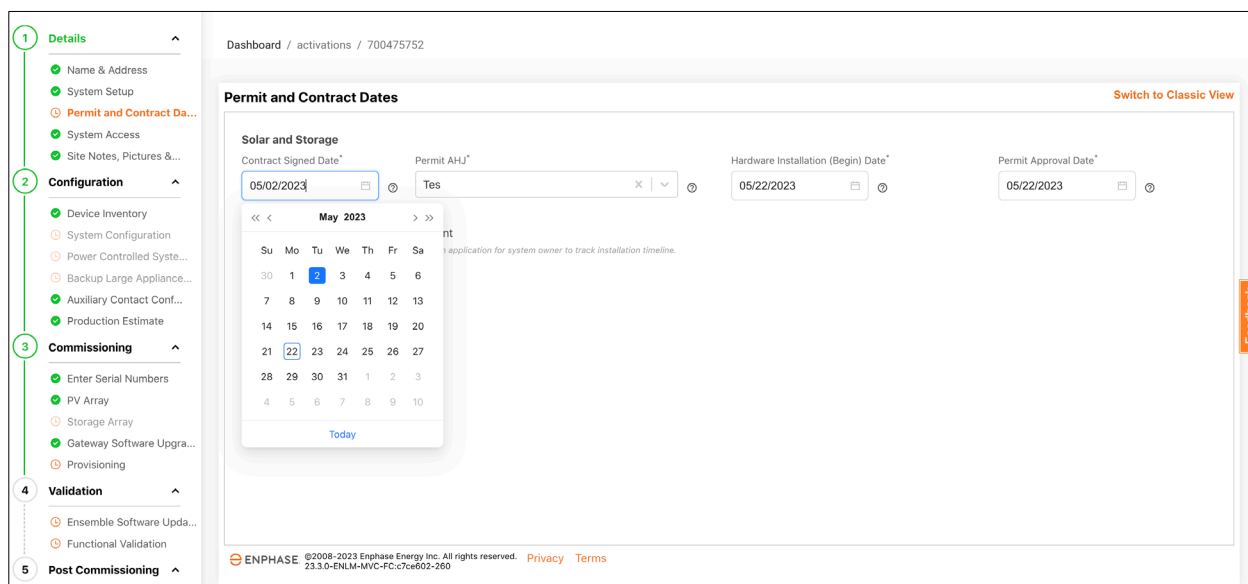
In the “System Setup” section, the user must enter the system size and the details of the panel being installed (PV Module details).



The screenshot shows the 'System Setup' page. On the left is a sidebar with a progress indicator showing four steps: 1. Details (active), 2. Configuration, 3. Commissioning, and 4. Validation. Under 'Details', sub-steps include Name & Address, System Setup (active), Permit and Contract Da..., System Access, and Site Notes, Pictures &... Under 'Configuration', sub-steps include Device Inventory, System Configuration, Power Controlled Syste..., Backup Large Appliance..., Auxiliary Contact Conf..., Production Estimate, Enter Serial Numbers, PV Array, Storage Array, Gateway Software Upgra..., and Provisioning. The main content area is titled 'System Setup' and includes a 'Switch to Classic View' link. It contains sections for 'System Size' (with a 'Solar Size (kW_{DC})' input field), 'PV Module' (with a dropdown for 'Select a Manufacturer' showing '1Soltech' and a dropdown for 'Select Model' showing '1STH-235', and an 'Add another PV Module' button), and 'Installation Details' (with dropdowns for 'Microinverter Attachment Type' and 'Array Type', and a link to 'Enter array-level details on PV Array page'). At the bottom, there is a footer with the Enphase logo, copyright notice '©2008-2023 Enphase Energy Inc. All rights reserved.', and links for 'Privacy' and 'Terms'. A 'Feedback' button is located on the right side of the page.

Permit and Contract Dates

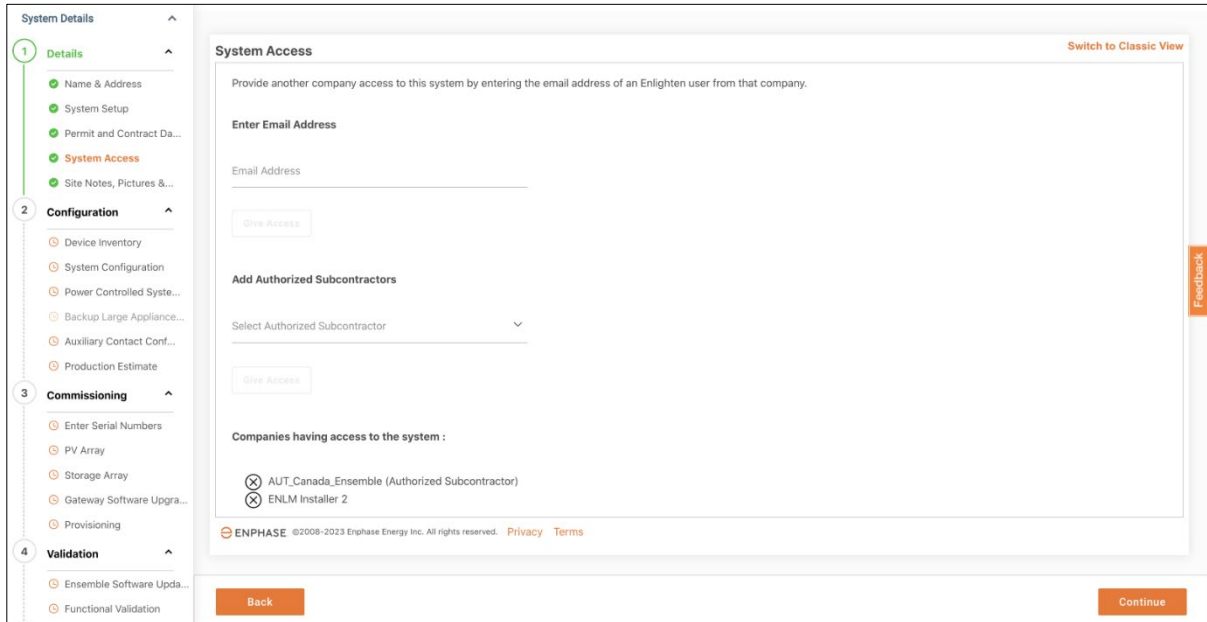
In the “Permit and Contract Date” section, the user must fill in the permit and contract details. If solar and storage permit dates differ, the user must update the details accordingly.



The screenshot shows the 'Permit and Contract Dates' page. The sidebar is similar to the previous page, but the 'Permit and Contract Da...' step is now active under 'Details'. The main content area is titled 'Permit and Contract Dates' and includes a 'Switch to Classic View' link. It contains a 'Solar and Storage' section with four date pickers: 'Contract Signed Date*' (showing '05/02/2023'), 'Permit AHJ*' (showing 'Tes'), 'Hardware Installation (Begin) Date*' (showing '05/22/2023'), and 'Permit Approval Date*' (showing '05/22/2023'). Below these is a calendar for May 2023, with the 2nd of May highlighted. A note below the calendar reads: 'Application for system owner to track installation timeline.' At the bottom, there is a footer with the Enphase logo, copyright notice '©2008-2023 Enphase Energy Inc. All rights reserved.', version '23.3.0-ENLM-MVC-FC-c7c602-260', and links for 'Privacy' and 'Terms'. A 'Feedback' button is located on the right side of the page.

System Access

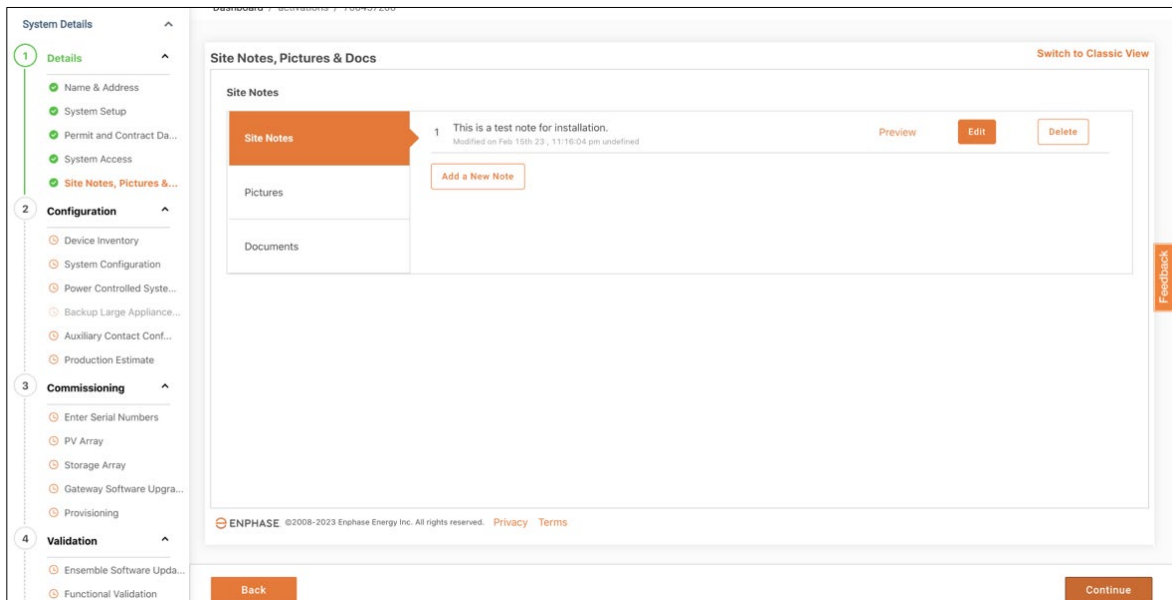
In the “System Access” section, users can provide third-party system access to other companies, as well as authorized subcontractors, if the commissioning responsibilities are being outsourced to them.



The screenshot shows the 'System Access' section of the Enphase system setup interface. On the left, a sidebar lists the setup steps: 1. Details (selected), 2. Configuration, 3. Commissioning, and 4. Validation. Under 'Details', sub-items include Name & Address, System Setup, Permit and Contract Da..., System Access (highlighted), and Site Notes, Pictures &... The main content area is titled 'System Access' and includes a 'Switch to Classic View' link. It contains instructions to provide access by entering an email address, a form for 'Enter Email Address', a 'Give Access' button, a section for 'Add Authorized Subcontractors' with a dropdown menu and a 'Give Access' button, and a list of 'Companies having access to the system' showing 'AUT_Canada_Ensemble (Authorized Subcontractor)' and 'ENLM Installer 2'. At the bottom, there are 'Back' and 'Continue' buttons, and a footer with 'ENPHASE ©2008-2023 Enphase Energy Inc. All rights reserved. Privacy Terms'.

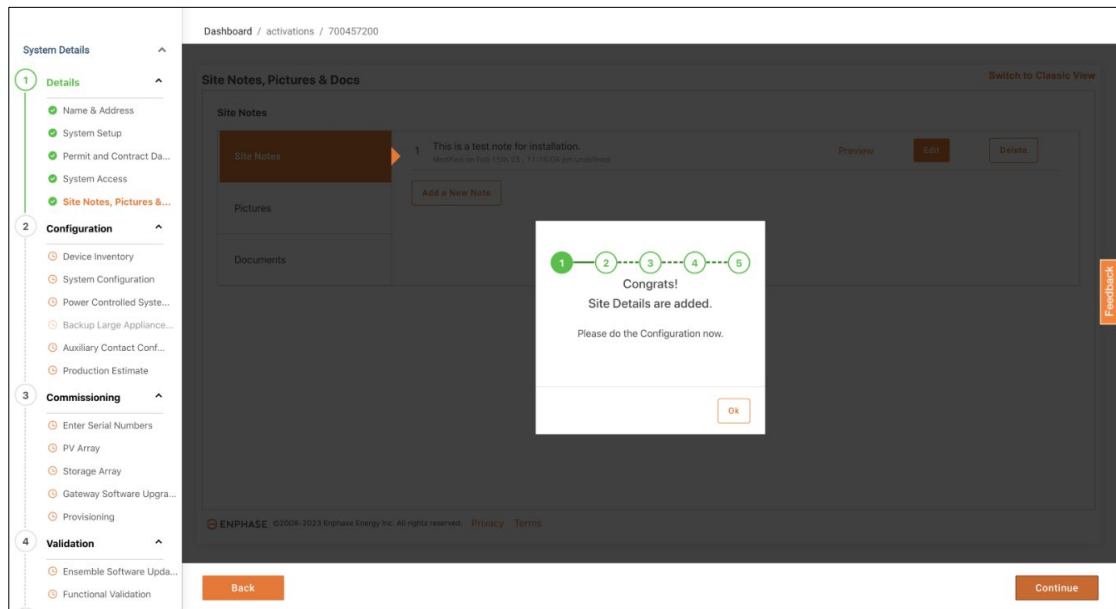
Site Notes, Pictures & Docs

In the “Sites Notes, Picture & Docs” section, users from the installer companies can add any notes, pictures, or documents pertaining to the system installation, which they can refer to later.



The screenshot shows the 'Site Notes, Pictures & Docs' section of the Enphase system setup interface. The sidebar on the left is the same as in the previous screenshot, with 'Site Notes, Pictures &...' highlighted. The main content area is titled 'Site Notes, Pictures & Docs' and includes a 'Switch to Classic View' link. It features a 'Site Notes' section with a list of notes (one is visible: 'This is a test note for installation. Modified on Feb. 15th 23, 11:16:04 pm undefined') and buttons for 'Preview', 'Edit', and 'Delete'. Below this is an 'Add a New Note' button. There are also sections for 'Pictures' and 'Documents'. At the bottom, there are 'Back' and 'Continue' buttons, and a footer with 'ENPHASE ©2008-2023 Enphase Energy Inc. All rights reserved. Privacy Terms'.

Once the “Details” section is filled out, the user can move on to the “Configuration” section.



Configuration section

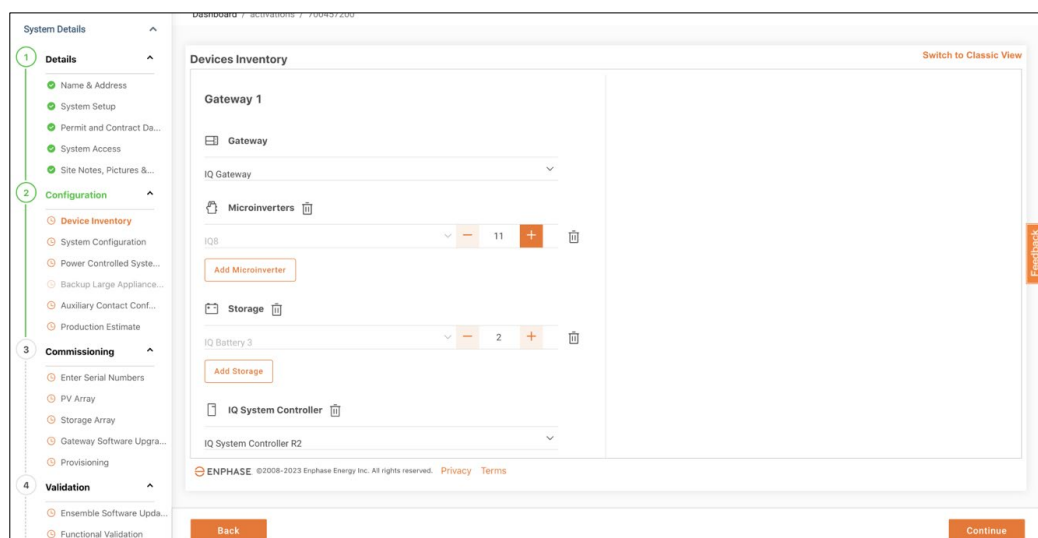
The “Configuration” section can be filled in by anyone at the installer’s office, preferably an operations person, after signing the contract with the homeowner. This “Configuration” section consists of the following pages:

1. Device Inventory
2. System Configuration
3. Power Controlled System
4. Auxiliary Contact Configuration
5. Production Estimate

Device Inventory

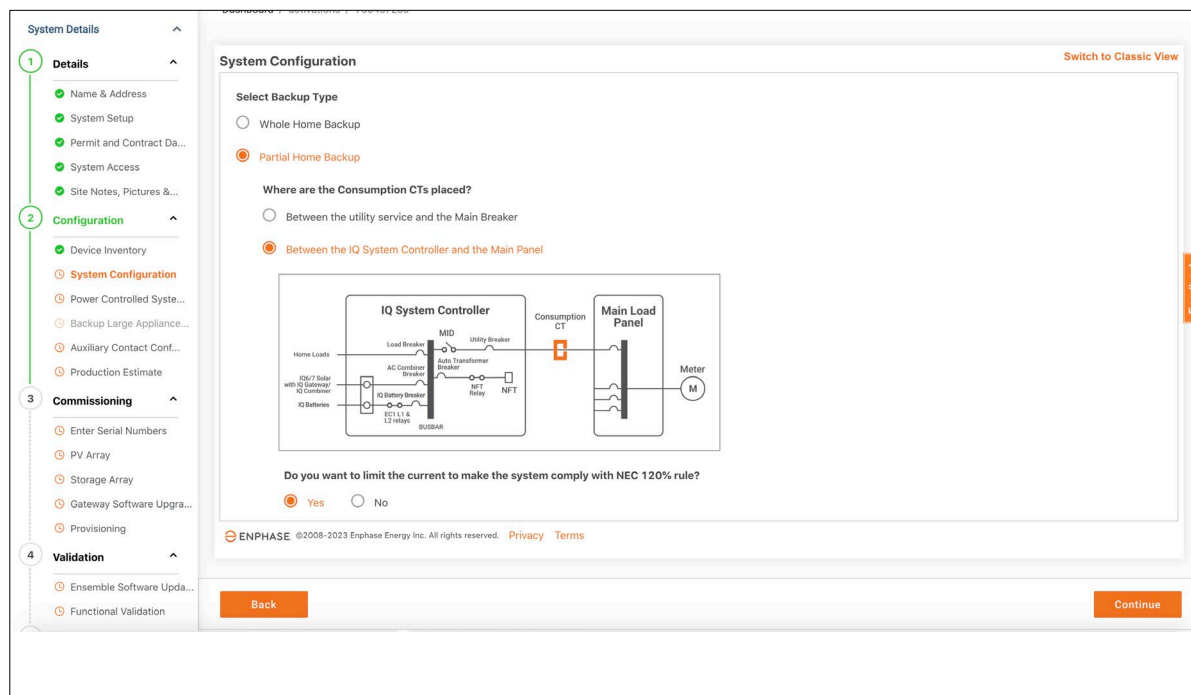
In the “Device Inventory” section, the user can fill in the details of the devices planned to be installed in the system. For example, if 10 microinverters are being installed in the system, the user must specify the type of microinverters that are being installed (IQ8, IQ7, and other types).

Here, validations are done in the background to ensure the installer does not proceed with device combinations not currently supported at Enphase. Additionally, wherever applicable, checks like the PV-ESS ratio (microinverter size to storage size) are performed, and if violated, recommendations for corrective actions are also provided.



System Configuration

In the “System Configuration” section, the user can fill in details of the backup of the system, specify where the Consumption CTs are placed, and decide whether to make the system compliant with the NEC 120% rule.



The screenshot shows the 'System Configuration' section of the Enphase activation interface. On the left, a sidebar lists the steps: 1. Details, 2. Configuration, 3. Commissioning, and 4. Validation. The 'Configuration' step is active, showing a list of sub-steps: Device Inventory, System Configuration (highlighted), Power Controlled System..., Backup Large Appliance..., Auxiliary Contact Conf..., Production Estimate, Enter Serial Numbers, PV Array, Storage Array, Gateway Software Upgra..., Provisioning, Ensemble Software Upda..., and Functional Validation.

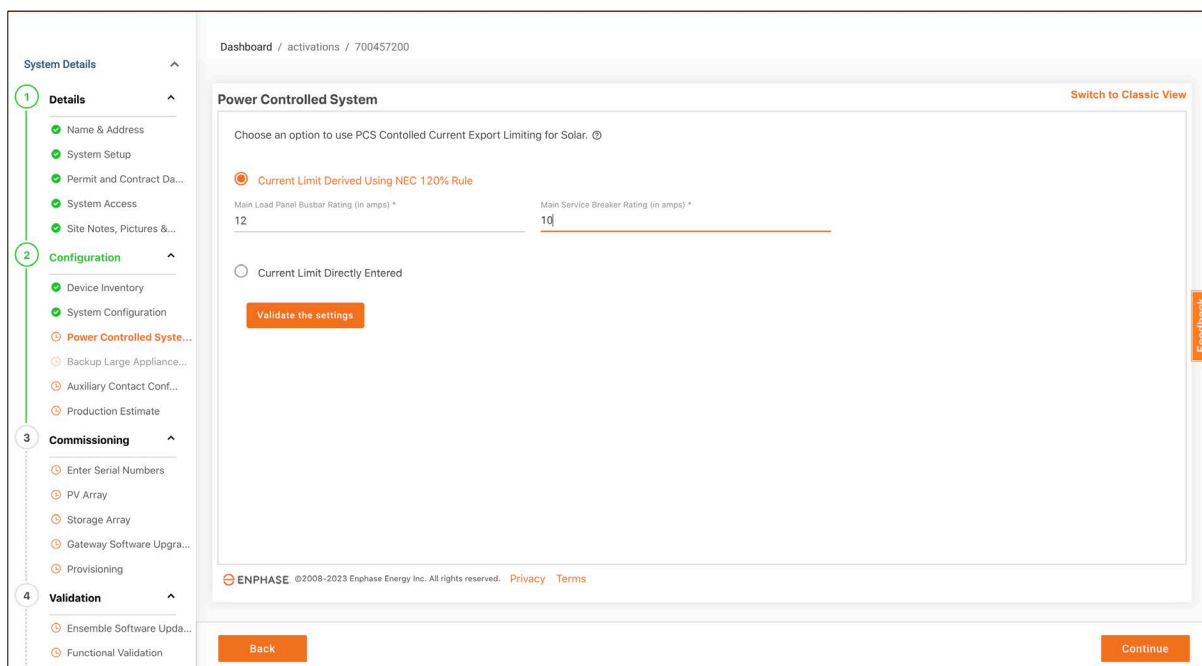
The main content area is titled 'System Configuration' and includes a 'Switch to Classic View' link. It contains the following sections:

- Select Backup Type:** Two radio buttons are present: 'Whole Home Backup' (unselected) and 'Partial Home Backup' (selected).
- Where are the Consumption CTs placed?:** Two radio buttons are present: 'Between the utility service and the Main Breaker' (unselected) and 'Between the IQ System Controller and the Main Panel' (selected).
- Diagram:** A schematic diagram shows the connection between the 'IQ System Controller' and the 'Main Load Panel'. The IQ System Controller is connected to 'Home Loads', 'Load Breaker', 'AC Combined Breaker', 'IQ Battery Breaker', 'NFT Relay', and 'NFT'. The Main Load Panel is connected to 'Consumption CT', 'Main Breaker', and 'Meter'. A 'BUSBAR' is also shown.
- Do you want to limit the current to make the system comply with NEC 120% rule?:** Two radio buttons are present: 'Yes' (selected) and 'No' (unselected).

At the bottom, there is a 'Back' button and a 'Continue' button. A 'Feedback' button is located on the right side of the page.

Power Controlled System

In the Power Controlled System, based on the NEC 120% rule, the user can either directly enter the current limit or find it out by entering the main load panel breaker rating and main service breaker rating.

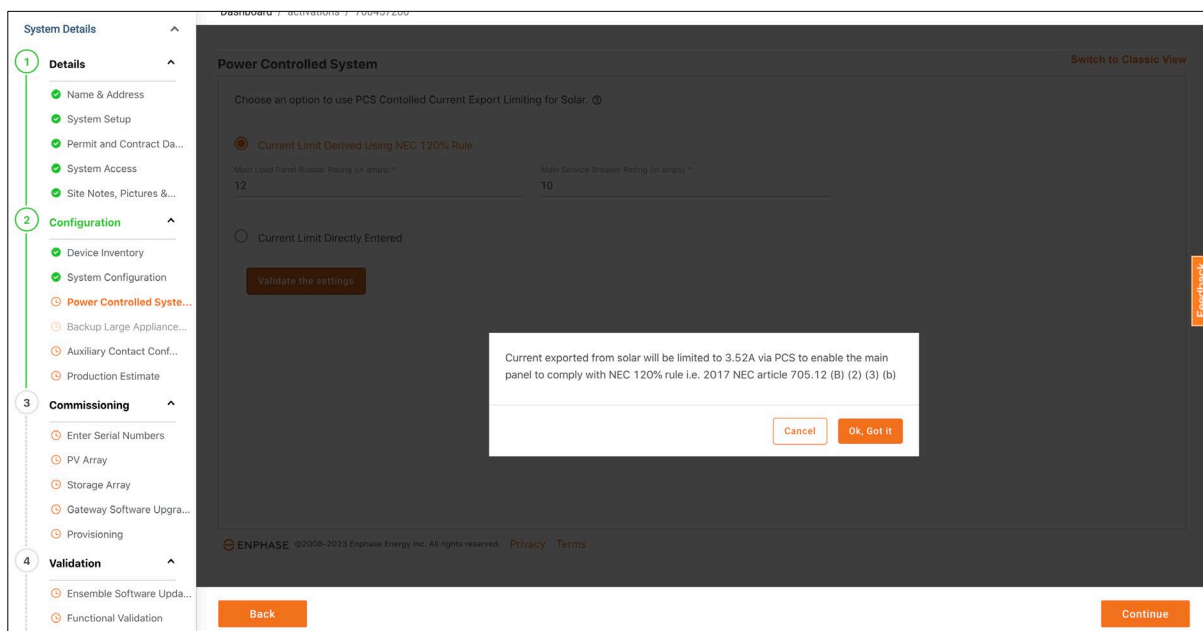
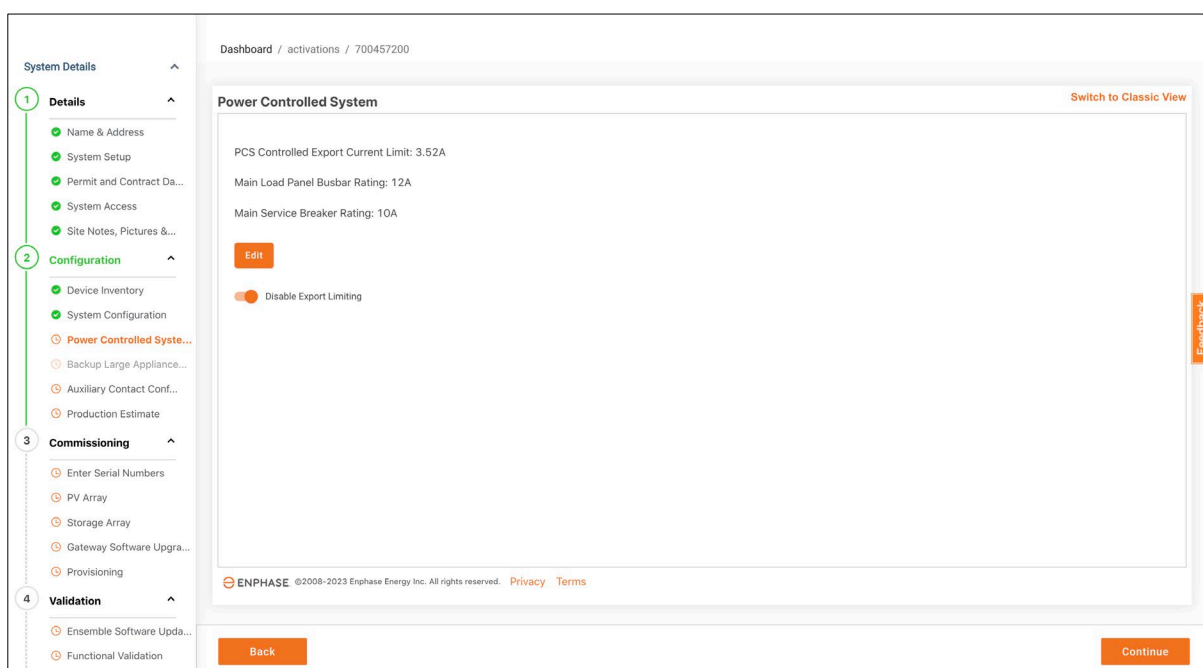


The screenshot shows the 'Power Controlled System' section of the Enphase activation interface. On the left, the same sidebar as the previous screenshot is visible, with 'Power Controlled System...' highlighted under the 'Configuration' step.

The main content area is titled 'Power Controlled System' and includes a 'Switch to Classic View' link. It contains the following sections:

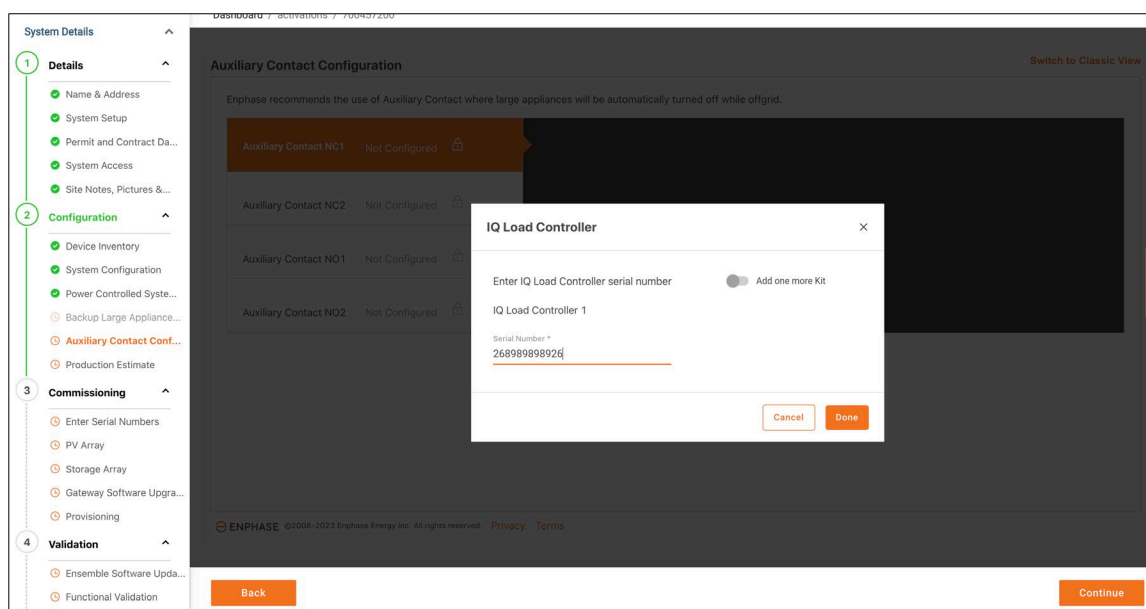
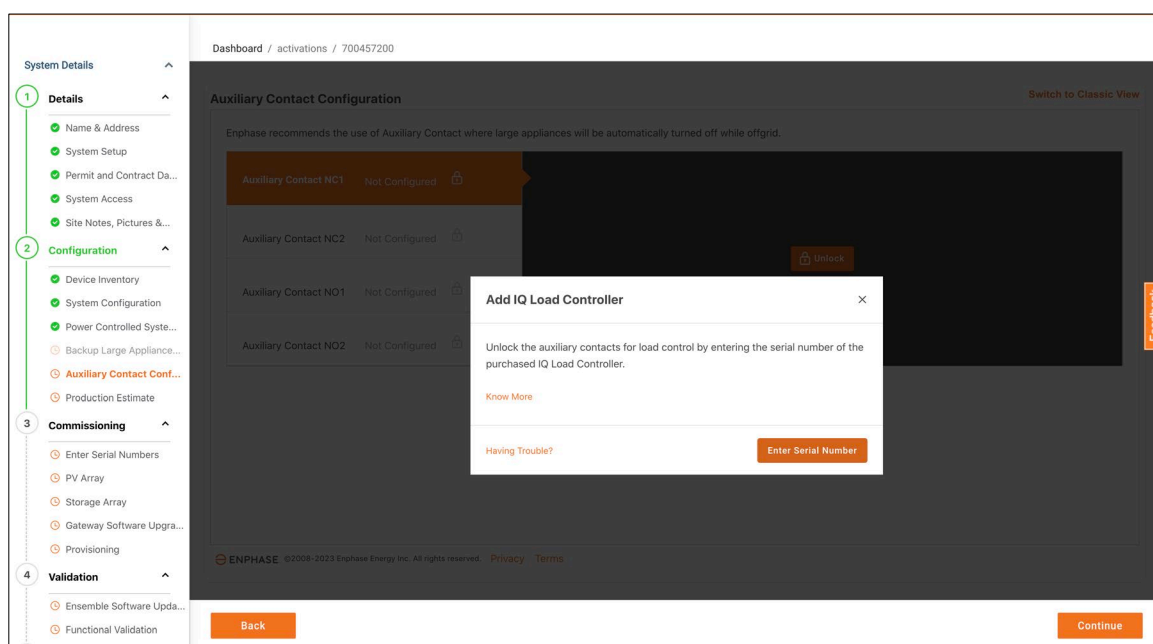
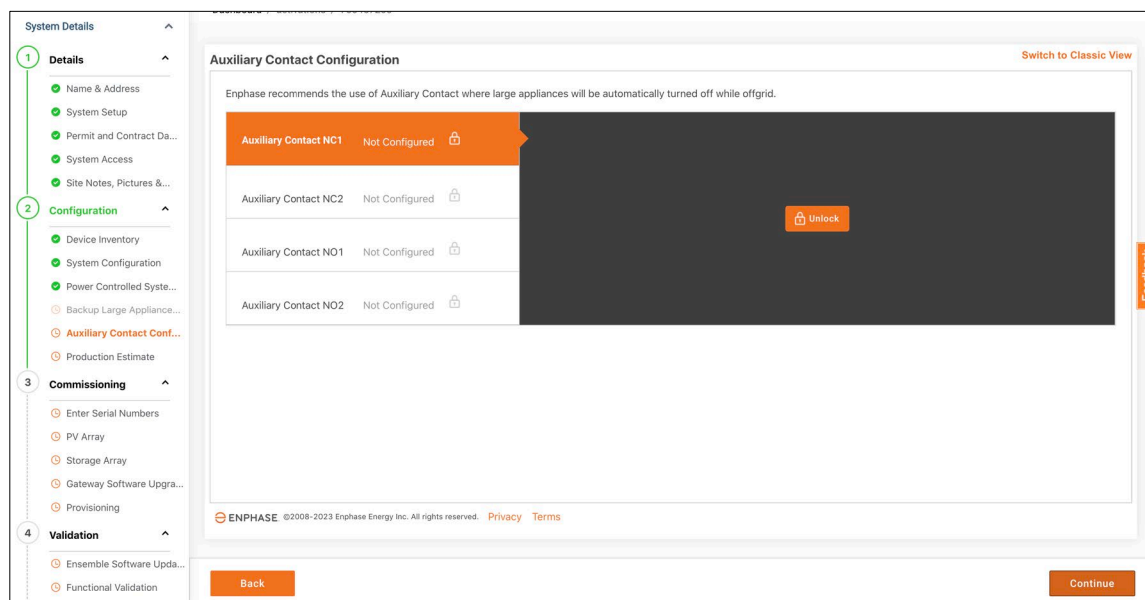
- Choose an option to use PCS Controlled Current Export Limiting for Solar. @**
- Current Limit Derived Using NEC 120% Rule:** This option is selected. It includes two input fields: 'Main Load Panel Busbar Rating (in amps) *' with the value '12' and 'Main Service Breaker Rating (in amps) *' with the value '10'.
- Current Limit Directly Entered:** This option is unselected.
- Validate the settings:** A button to validate the entered values.

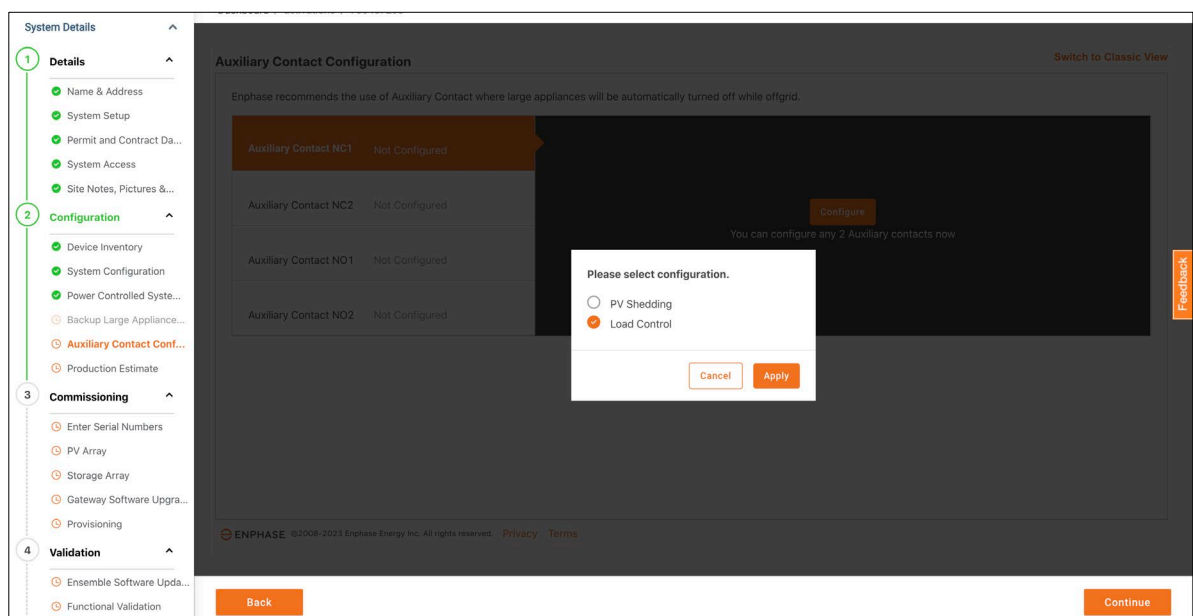
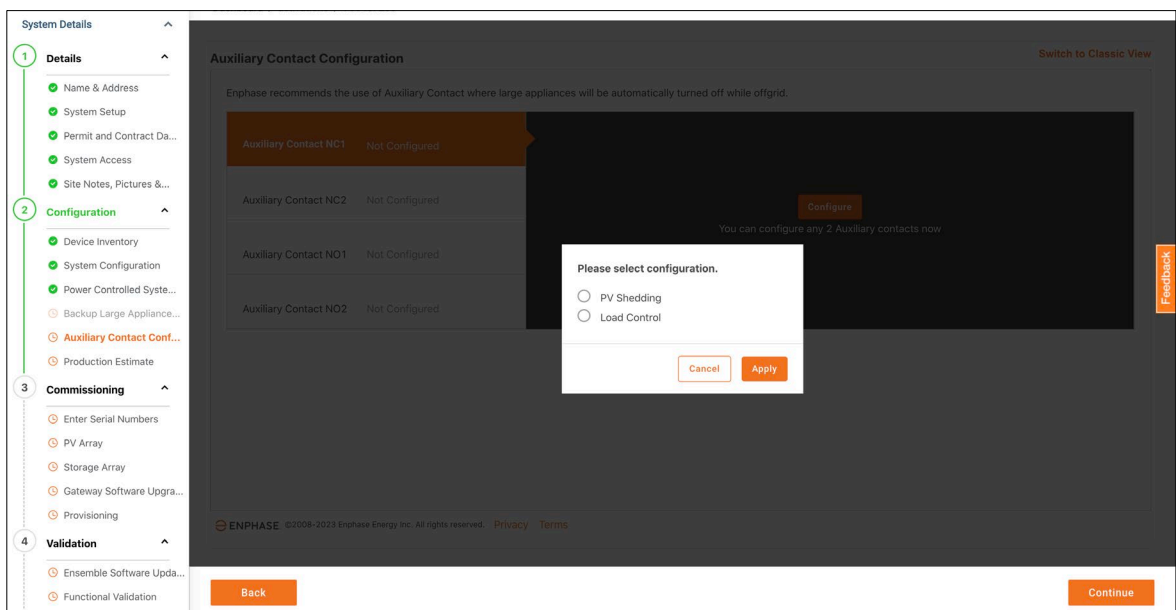
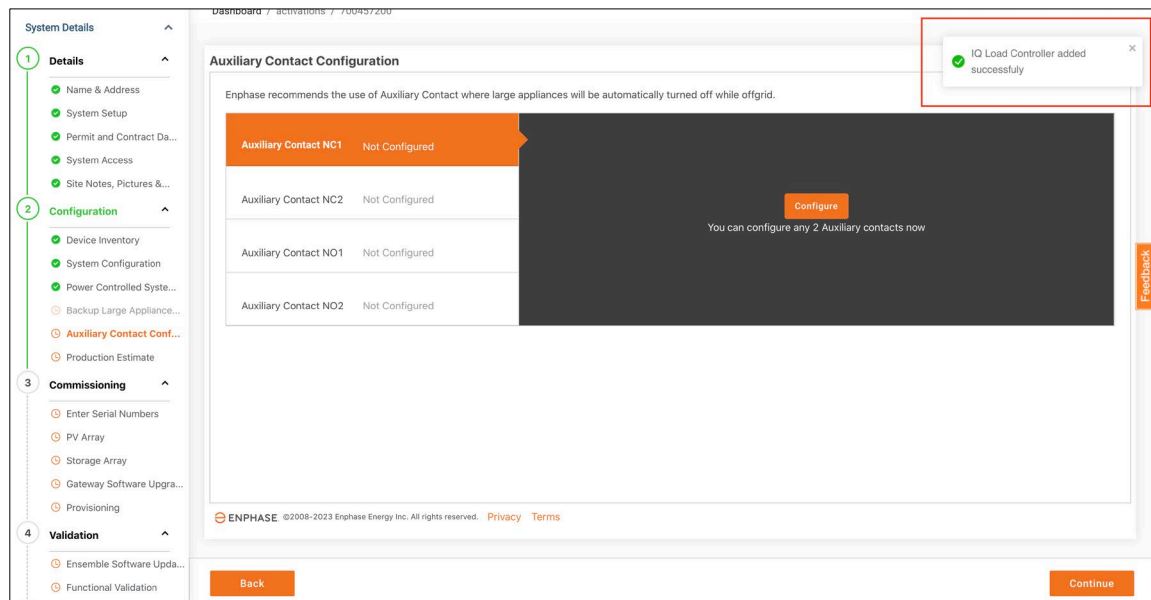
At the bottom, there is a 'Back' button and a 'Continue' button. A 'Feedback' button is located on the right side of the page.

Auxiliary Contact Configuration

In the “Auxiliary Contact Configuration” section, the user can enter details of the load control kit and configure it even before visiting the site. The auxiliary contact can be unlocked by entering the serial number of the load control kit, and then, consequently, be configured. The user can choose to do PV shedding or load shedding configuration.





System Details

1 Details

Name & Address

System Setup

Permit and Contract Da...

System Access

Site Notes, Pictures &...

2 Configuration

Device Inventory

System Configuration

Power Controlled Syste...

Backup Large Appliance...

Auxiliary Contact Conf...

Production Estimate

3 Commissioning

Enter Serial Numbers

PV Array

Storage Array

Gateway Software Upgra...

Provisioning

4 Validation

Ensemble Software Upda...

Functional Validation

Auxiliary Contact Configuration

Switch to Classic View

Enphase recommends the use of Auxiliary Contact where large appliances will be automatically turned off while offgrid.

Auxiliary Contact NC1

Load Control

Auxiliary Contact NC2

Not Configured

Auxiliary Contact NO1

Not Configured

Auxiliary Contact NO2

Not Configured

Configuration

Load Control

Auxiliary Contact

Normally Closed

Load Details

Load Name

Air Conditioner

Smart Control

Basic

On Grid Powered

Off Grid Not Powered

Scheduled

On Grid Powered

Off Grid Powered between 06:00 am and 11:00 pm

Advanced

On Grid Powered

Off Grid Powered when battery charge is above 30%

Manual

Always Powered

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Back

Continue

System Details

1 Details

Name & Address

System Setup

Permit and Contract Da...

System Access

Site Notes, Pictures &...

2 Configuration

Device Inventory

System Configuration

Power Controlled Syste...

Backup Large Appliance...

Auxiliary Contact Conf...

Production Estimate

3 Commissioning

Enter Serial Numbers

PV Array

Storage Array

Gateway Software Upgra...

Provisioning

4 Validation

Ensemble Software Upda...

Functional Validation

Auxiliary Contact Configuration

Switch to Classic View

Enphase recommends the use of Auxiliary Contact where large appliances will be automatically turned off while offgrid.

Auxiliary Contact NC1

Load Control

Auxiliary Contact NC2

PV Shedding

Auxiliary Contact NO1

Not Configured

Auxiliary Contact NO2

Not Configured

Configuration

PV Shedding

Auxiliary Contact

Normally Closed

Microinverters

114634743591

111098483171

117544968555

110435968965

110102088585

119300318714

111061229409

110951152544

113862249228

111968313109

111595772584

Save

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Back

Continue

In this section, if the PV shedding option is selected, the user will be asked to specify the microinverters required for PV shedding. If microinverter serial numbers have not been scanned/entered by the user, the user shall be prompted to specify the microinverters for PV shedding after they are scanned later in the “Enter Serial Numbers” page.

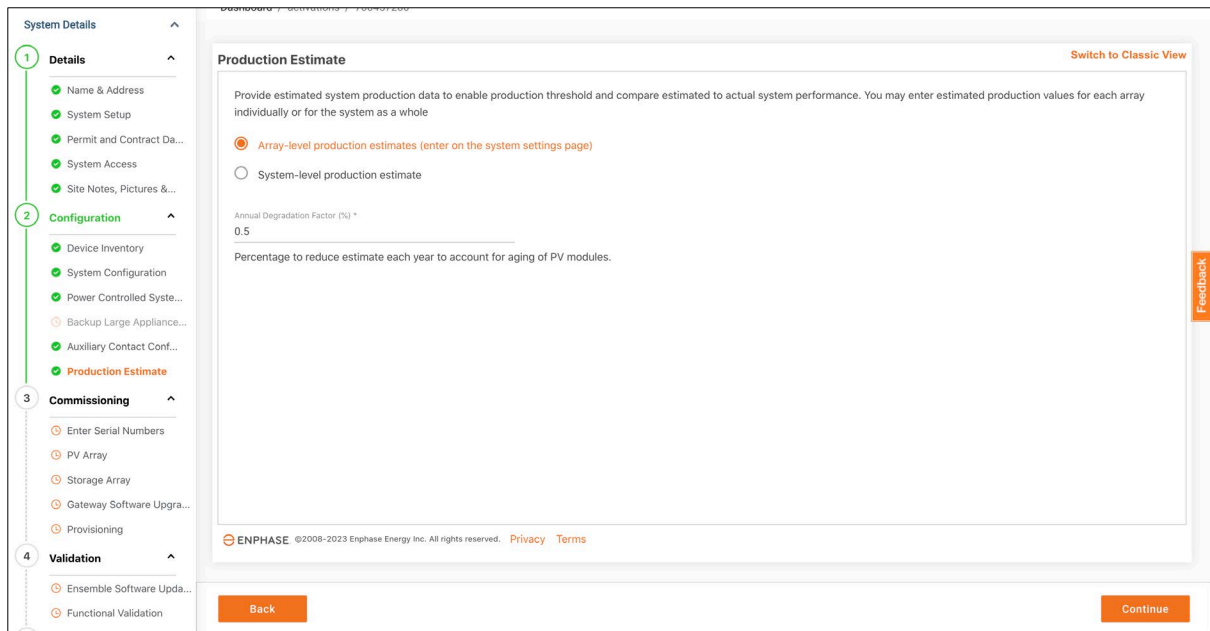
14

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July 2023
USG-00015-1.0

Production Estimate

In the “Production Estimate” section, the user can add the production estimates for the system.



The screenshot shows the 'Production Estimate' section of the Enphase system setup interface. On the left, a sidebar lists the setup steps: 1. Details, 2. Configuration, 3. Commissioning, and 4. Validation. The 'Production Estimate' step is highlighted under the 'Configuration' section. The main content area is titled 'Production Estimate' and includes a 'Switch to Classic View' link. It contains a text box for providing estimated system production data, with radio buttons for 'Array-level production estimates (enter on the system settings page)' (selected) and 'System-level production estimate'. Below this is a field for 'Annual Degradation Factor (%)' with a value of 0.5 and a description: 'Percentage to reduce estimate each year to account for aging of PV modules.' At the bottom, there are 'Back' and 'Continue' buttons. A 'Feedback' button is also visible on the right side of the main content area.

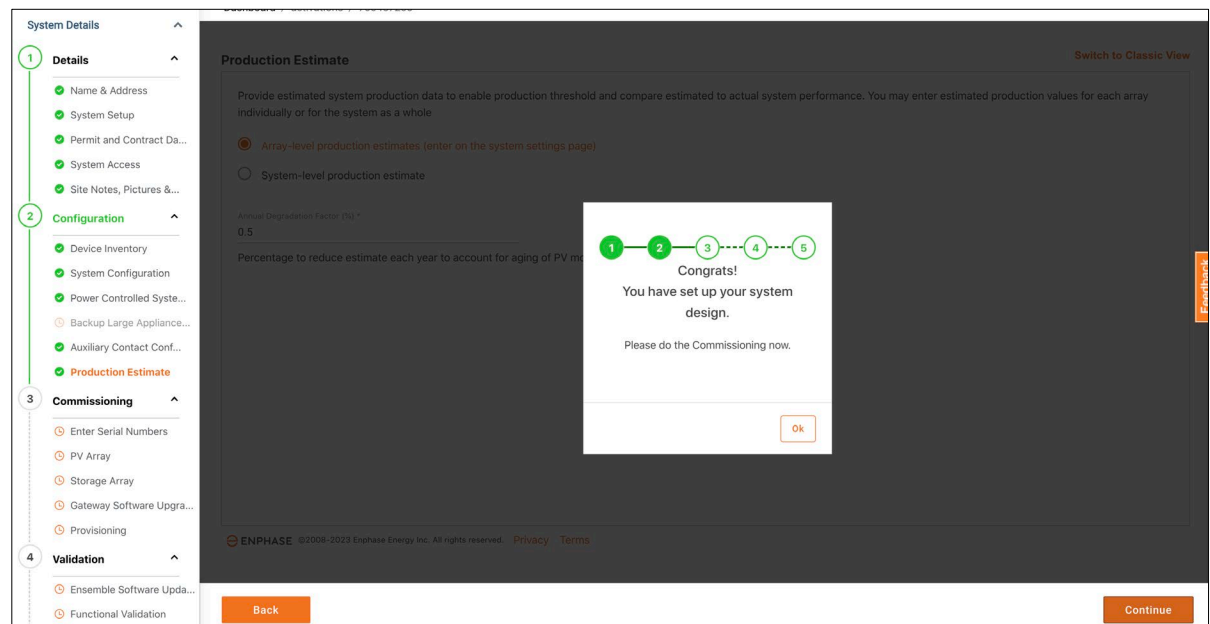
Commissioning section

This “Commissioning” section can be filled in by an operations person at the installer’s office during or after the site installation. Commissioning tasks that can be performed remotely can be executed in this section.

This “Commissioning” section consists of the following pages:

1. Enter Serial Number
2. PV Array
3. Gateway Software Update
4. Provisioning

Once the above steps are completed, the user can move on to the "Commissioning" page:

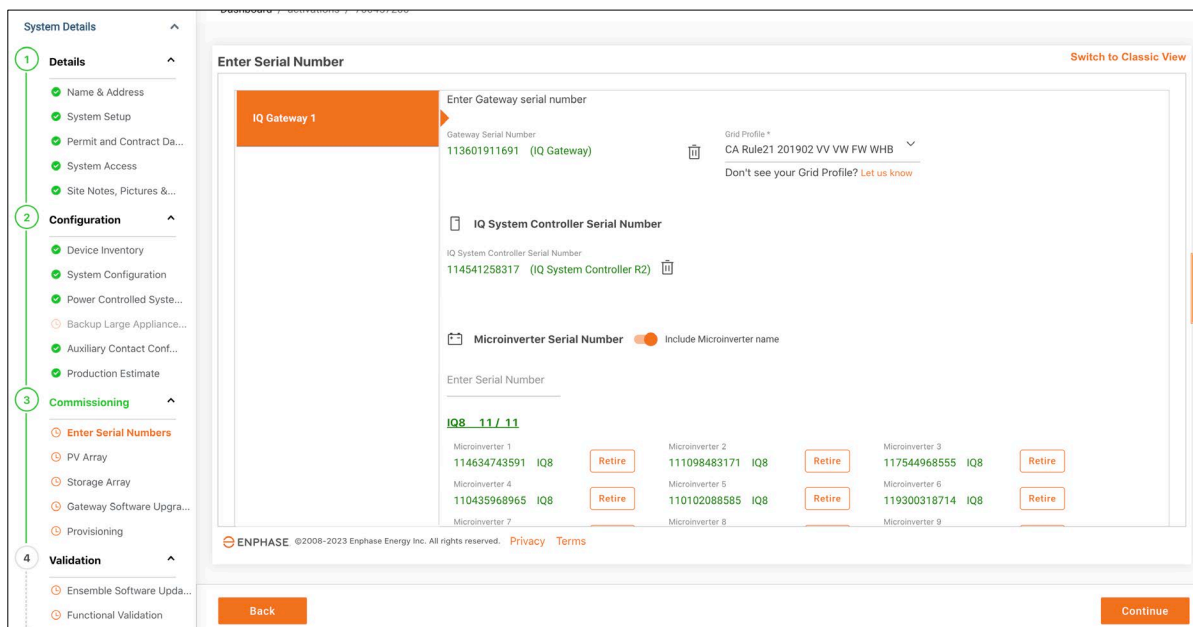


The screenshot shows the 'Commissioning' section of the Enphase system setup interface. On the left, a sidebar lists the setup steps: 1. Details, 2. Configuration, 3. Commissioning, and 4. Validation. The 'Commissioning' step is highlighted under the 'Configuration' section. The main content area is titled 'Production Estimate' and includes a 'Switch to Classic View' link. It contains a text box for providing estimated system production data, with radio buttons for 'Array-level production estimates (enter on the system settings page)' (selected) and 'System-level production estimate'. Below this is a field for 'Annual Degradation Factor (%)' with a value of 0.5 and a description: 'Percentage to reduce estimate each year to account for aging of PV modules.' At the bottom, there are 'Back' and 'Continue' buttons. A 'Feedback' button is also visible on the right side of the main content area. A modal dialog box is displayed in the center, showing a progress bar with steps 1 through 5, and the text: 'Congrats! You have set up your system design. Please do the Commissioning now.' with an 'Ok' button.

Enter Serial Number

In the “Enter Serial Number” section, the user can enter the serial numbers of the devices he or she had entered on the “Device Inventory” page. The three types of validations are performed on this page:

1. The serial number entered belongs to a valid Enphase device.
2. The serial number entered corresponds to a device present on the “Device Inventory” page.
3. The serial number entered exists in another system.



The screenshot shows the 'Enter Serial Number' page within the Enphase system setup interface. The left sidebar contains a navigation menu with sections: Details, Configuration, Commissioning, and Validation. The main content area is titled 'Enter Serial Number' and includes a 'Switch to Classic View' link. The page is divided into sections for entering serial numbers for different components:

- IQ Gateway 1:** A section for entering the Gateway Serial Number. The entered number is 113601911691 (IQ Gateway).
- Grid Profile:** A dropdown menu showing 'CA Rule21 201902 VV VW FW WHB'.
- IQ System Controller Serial Number:** A section for entering the IQ System Controller Serial Number. The entered number is 114541258317 (IQ System Controller R2).
- Microinverter Serial Number:** A section for entering the Microinverter Serial Number. It includes a toggle for 'Include Microinverter name' and a table of microinverters.

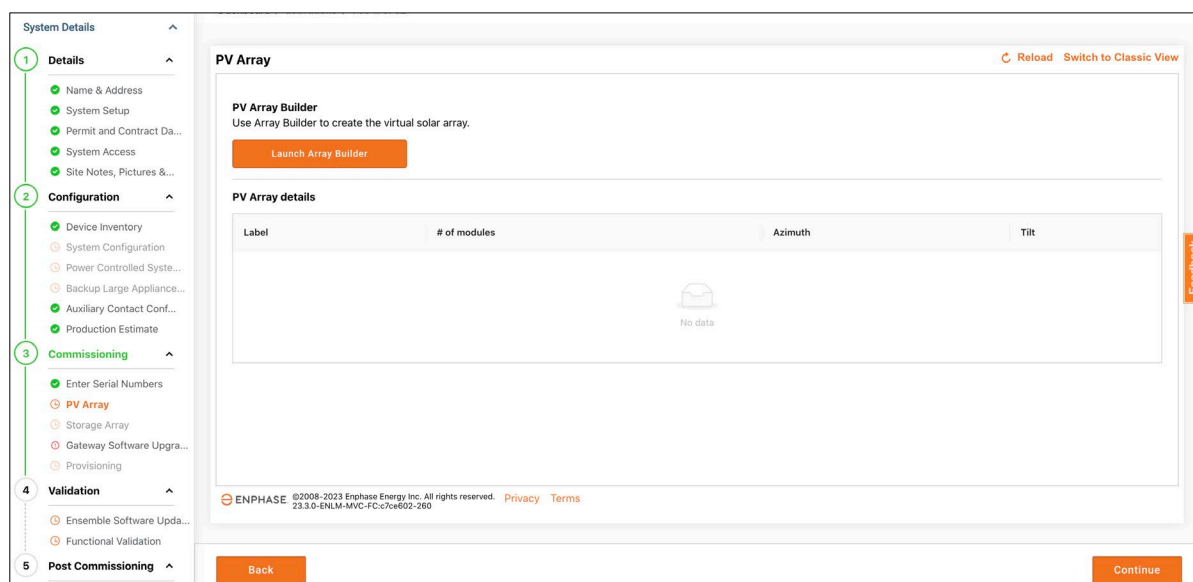
The table of microinverters shows the following data:

| Microinverter | Serial Number | Model | Action |
|-----------------|---------------|-------|--------|
| Microinverter 1 | 114634743591 | IQ8 | Retire |
| Microinverter 2 | 111098483171 | IQ8 | Retire |
| Microinverter 3 | 117544968555 | IQ8 | Retire |
| Microinverter 4 | 110435968965 | IQ8 | Retire |
| Microinverter 5 | 110102088585 | IQ8 | Retire |
| Microinverter 6 | 119300318714 | IQ8 | Retire |
| Microinverter 7 | | | |
| Microinverter 8 | | | |
| Microinverter 9 | | | |

At the bottom of the page, there are 'Back' and 'Continue' buttons. The footer includes the Enphase logo and copyright information: ©2008-2023 Enphase Energy Inc. All rights reserved. Privacy Terms.

PV Array

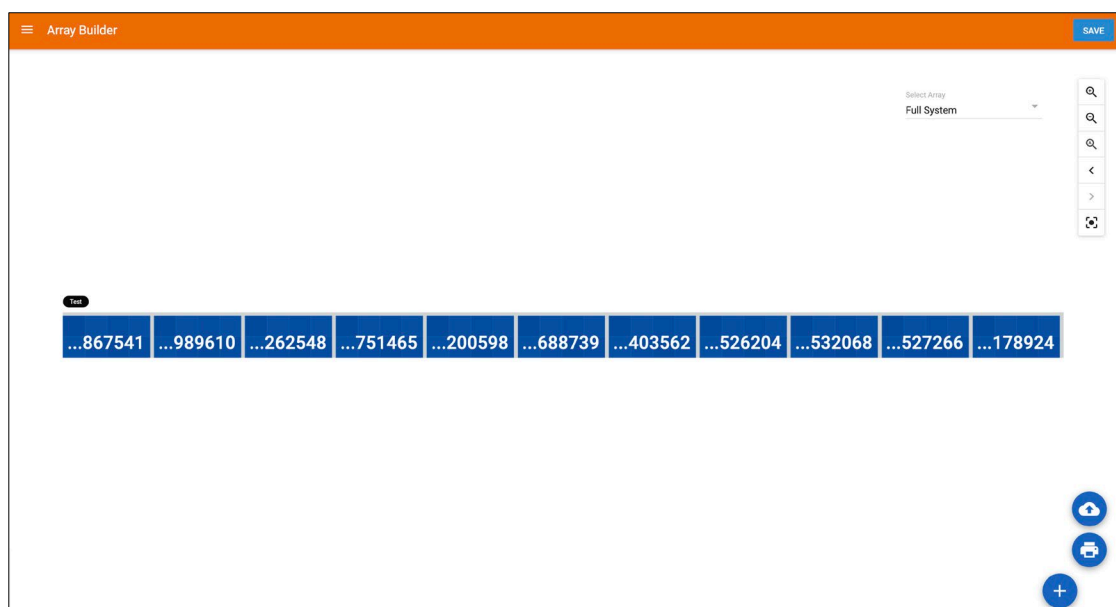
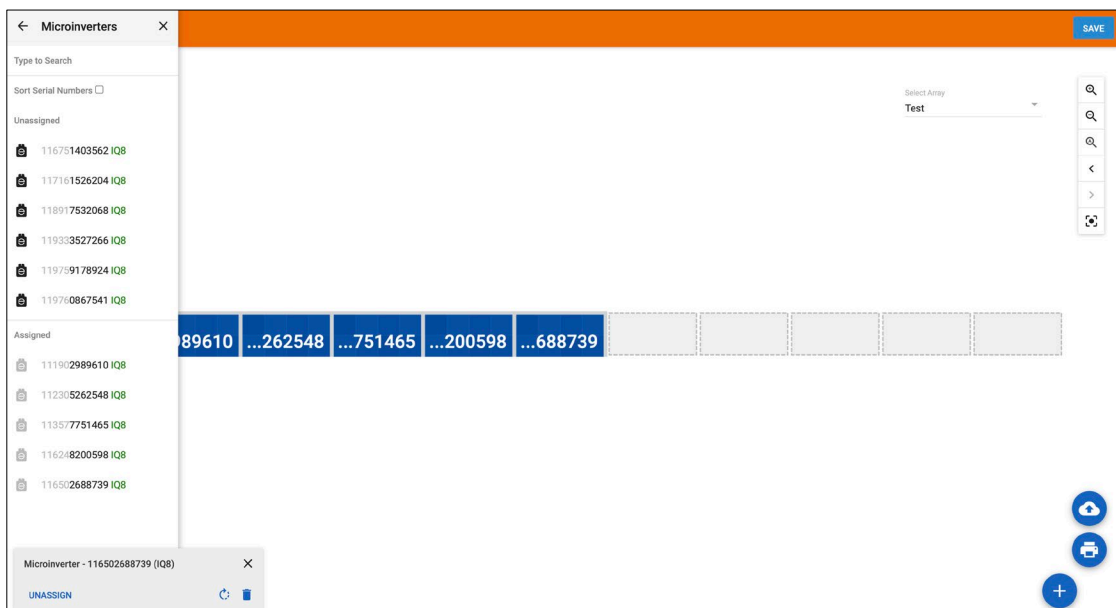
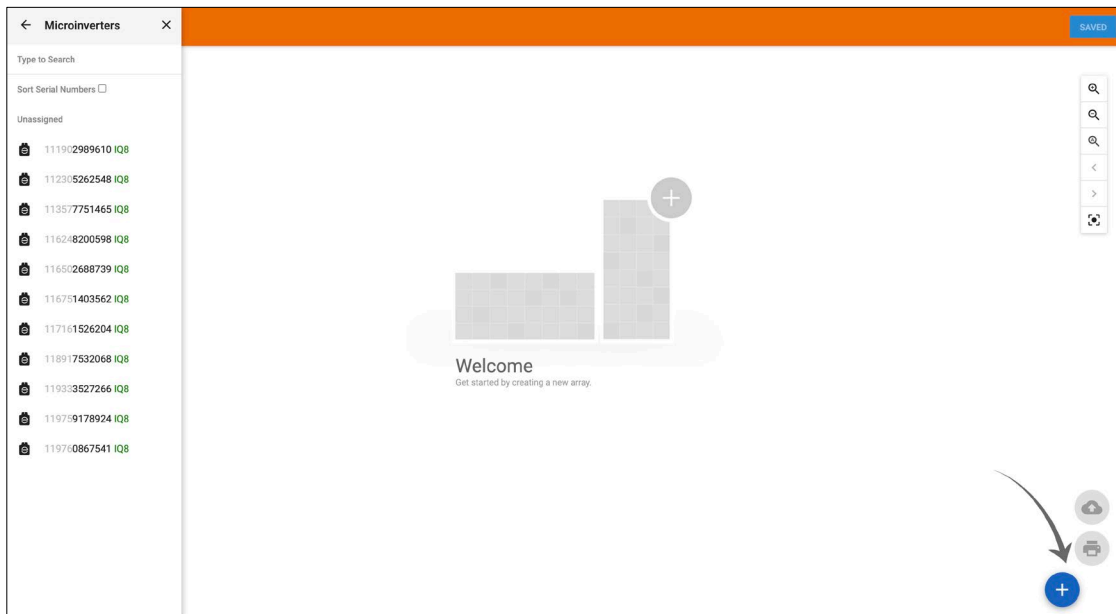
In the “PV Array” section, the user can create arrays. The serial number details already filled in earlier shall be present in the “Unassigned” section of “PV Array Builder”.

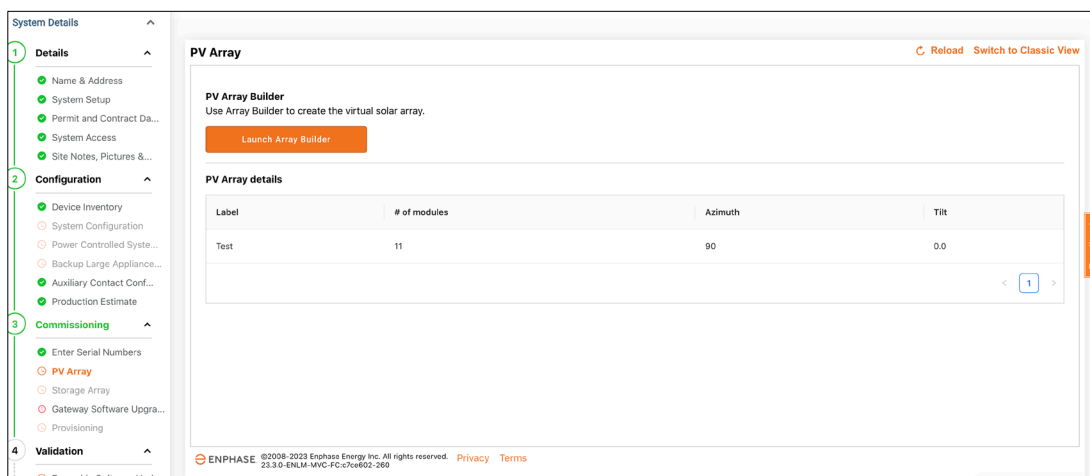


The screenshot shows the 'PV Array' page within the Enphase system setup interface. The left sidebar contains a navigation menu with sections: Details, Configuration, Commissioning, and Validation. The main content area is titled 'PV Array' and includes a 'Reload' and 'Switch to Classic View' link. The page is divided into sections for creating and managing PV arrays:

- PV Array Builder:** A section for creating the virtual solar array. It includes a 'Launch Array Builder' button.
- PV Array details:** A table for managing PV array details. The table has columns: Label, # of modules, Azimuth, and Tilt. The table is currently empty, showing 'No data'.

At the bottom of the page, there are 'Back' and 'Continue' buttons. The footer includes the Enphase logo and copyright information: ©2008-2023 Enphase Energy Inc. All rights reserved. Privacy Terms.

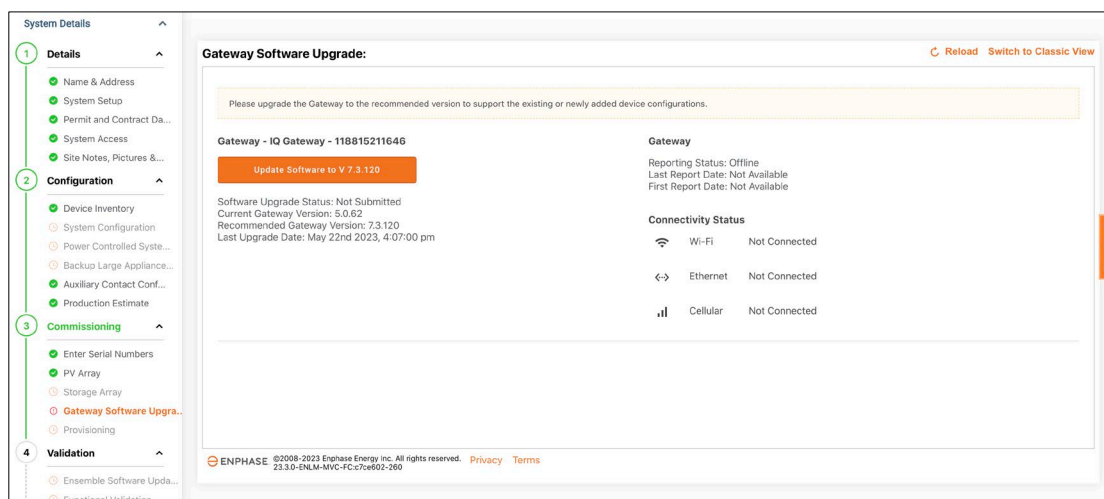




Gateway Software Upgrade

In the “Gateway Software Upgrade” section, a user can perform the following functions:

- Check the reporting status of the Gateway
- Check the present Gateway firmware version
- Trigger a task to upgrade the Gateway firmware version if the current Gateway version is older than the recommended version and the Gateway reporting status is online.



1

Details

✓ Name & Address

✓ System Setup

✓ Permit and Contract Dates

✓ System Access

✓ Site Notes, Pictures & Docs

2

Configuration

✓ Device Inventory

✓ System Configuration

✓ Power Controlled System (Optional)

✓ Backup Large Appliances (Optional)

✓ Auxiliary Contact Configuration

✓ Production Estimate

3

Commission

✓ Enter Serial Numbers

✓ PV Array

✓ Storage Array

⌚ Gateway Software Update

Gateway Software Upgrade

Please upgrade the Gateway to the recommended version to support the existing/newly added device configurations.

IQ Gateway - 122015012228

Updating Firmware to V 7.03.120

Software Upgrade Status : Upgrade in Progress

Current Gateway Version : 4.10.35

Recommended Gateway Version : 7.03.120

Last Upgrade Date : 11/02/2020 12:25 AM PST

Gateway status

Reporting Status: Device Online

Last Report Date: 11/02/2020 12:25 AM PST

First Report Date: 04/16/2020 06:00 AM PST

Connectivity Status

Wi-Fi

Ethernet

Cellular

Back

1

Details

✓ Name & Address

✓ System Setup

✓ Permit and Contract Da...

✓ System Access

✓ Site Notes, Pictures &...

2

Configuration

✓ Device Inventory

⌚ System Configuration

⌚ Power Controlled Syste...

⌚ Backup Large Appliance...

✓ Auxiliary Contact Conf...

✓ Production Estimate

3

Commissioning

✓ Enter Serial Numbers

✓ PV Array

⌚ Gateway Software Upgra...

⌚ Provisioning

4

Validation

⌚ Ensemble Software Upda...

⌚ Functional Validation

5

Post Commissioning

Dashboard / activations / 700475752

Gateway Software Upgrade:

Gateway - IQ Gateway - 118815211646

Software is up-to-date

Software Upgrade Status: COMPLETED

Current Gateway Version: 7.3.120

Recommended Gateway Version: 7.3.120

Last Upgrade Date: May 22nd 2023, 10:25:19 pm

Gateway

Reporting Status: Offline

Last Report Date: 22-05-2023

First Report Date: 22-05-2023

Connectivity Status

Wi-Fi

Ethernet

Cellular

Not Connected

Not Connected

Not Connected

ENPHASE

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23.3.0-ENLM-MVC-FC:c7c602-260

Reload

Switch to Classic View

Feedback

19

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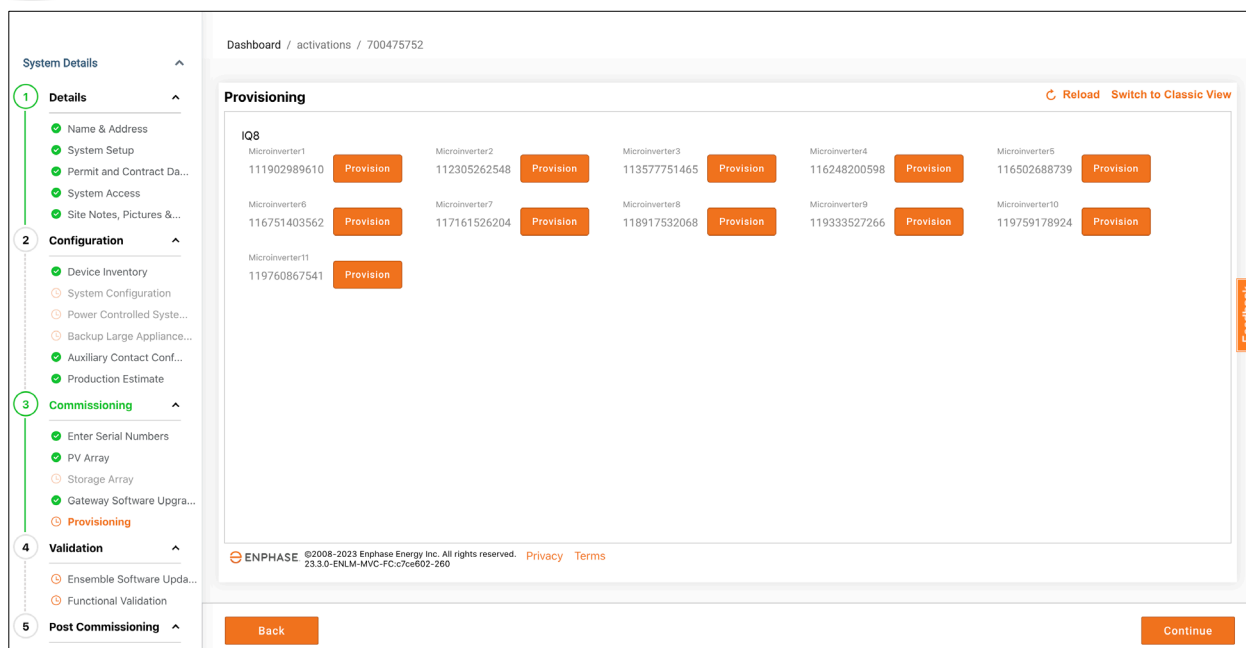
July 2023
 USG-00015-1.0

Provisioning

For devices in which remote provisioning is possible, users can trigger a provisioning task for the respective device from this page. Currently, we only support microinverter provisioning from this page. Once the provisioning is complete, it will be reflected on this page.



NOTE: There are of two different sites and are purely for illustration purposes as shown in the images.



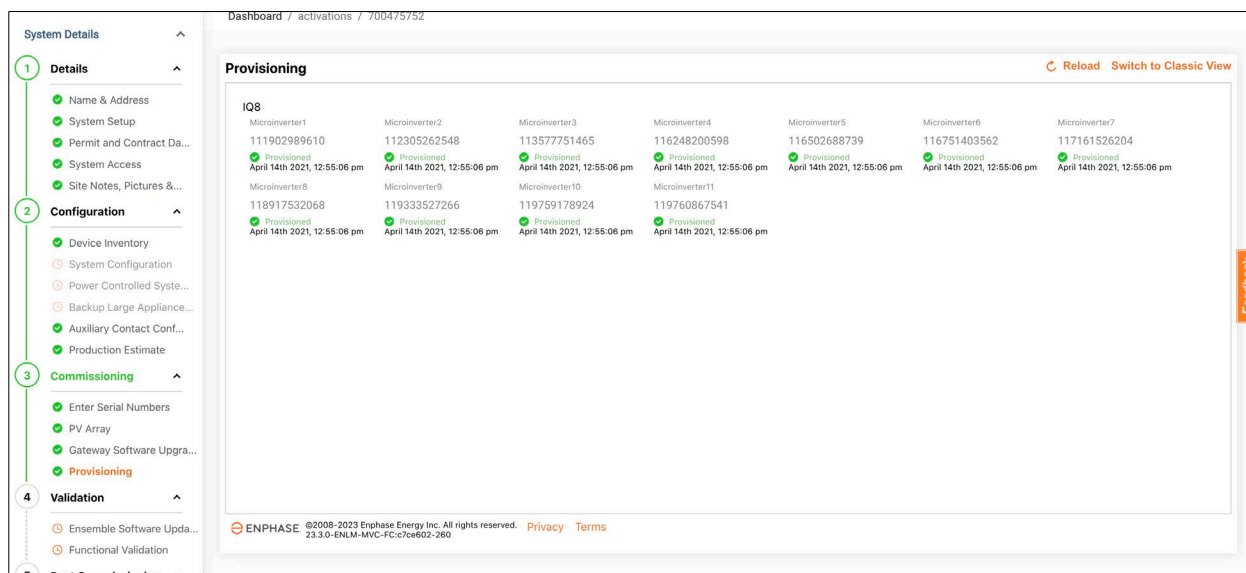
Dashboard / activations / 700475752

Provisioning [Reload](#) [Switch to Classic View](#)

| Microinverter1 | Microinverter2 | Microinverter3 | Microinverter4 | Microinverter5 |
|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 111902989610 | 112305262548 | 113577751465 | 116248200598 | 116502688739 |
| Provision | Provision | Provision | Provision | Provision |
| Microinverter6 | Microinverter7 | Microinverter8 | Microinverter9 | Microinverter10 |
| 116751403562 | 117161526204 | 118917532068 | 119333527266 | 119759178924 |
| Provision | Provision | Provision | Provision | Provision |
| Microinverter11 | | | | |
| 119760867541 | Provision | | | |

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[Back](#) [Continue](#)



Dashboard / activations / 700475752

Provisioning [Reload](#) [Switch to Classic View](#)

| Microinverter1 | Microinverter2 | Microinverter3 | Microinverter4 | Microinverter5 | Microinverter6 | Microinverter7 |
|---|---|---|---|---|---|---|
| 111902989610 | 112305262548 | 113577751465 | 116248200598 | 116502688739 | 116751403562 | 117161526204 |
| Provisioned April 14th 2021, 12:55:06 pm | Provisioned April 14th 2021, 12:55:06 pm | Provisioned April 14th 2021, 12:55:06 pm | Provisioned April 14th 2021, 12:55:06 pm | Provisioned April 14th 2021, 12:55:06 pm | Provisioned April 14th 2021, 12:55:06 pm | Provisioned April 14th 2021, 12:55:06 pm |
| Microinverter8 | Microinverter9 | Microinverter10 | Microinverter11 | | | |
| 118917532068 | 119333527266 | 119759178924 | 119760867541 | | | |
| Provisioned April 14th 2021, 12:55:06 pm | Provisioned April 14th 2021, 12:55:06 pm | Provisioned April 14th 2021, 12:55:06 pm | Provisioned April 14th 2021, 12:55:06 pm | | | |

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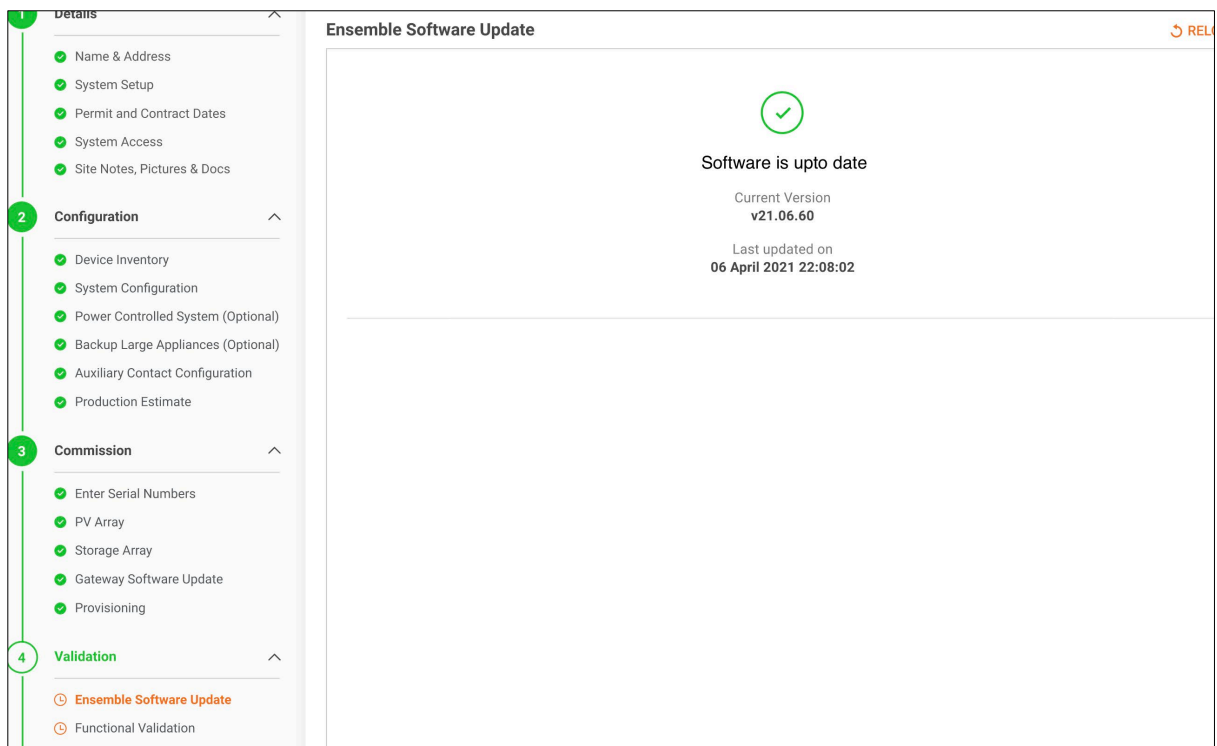
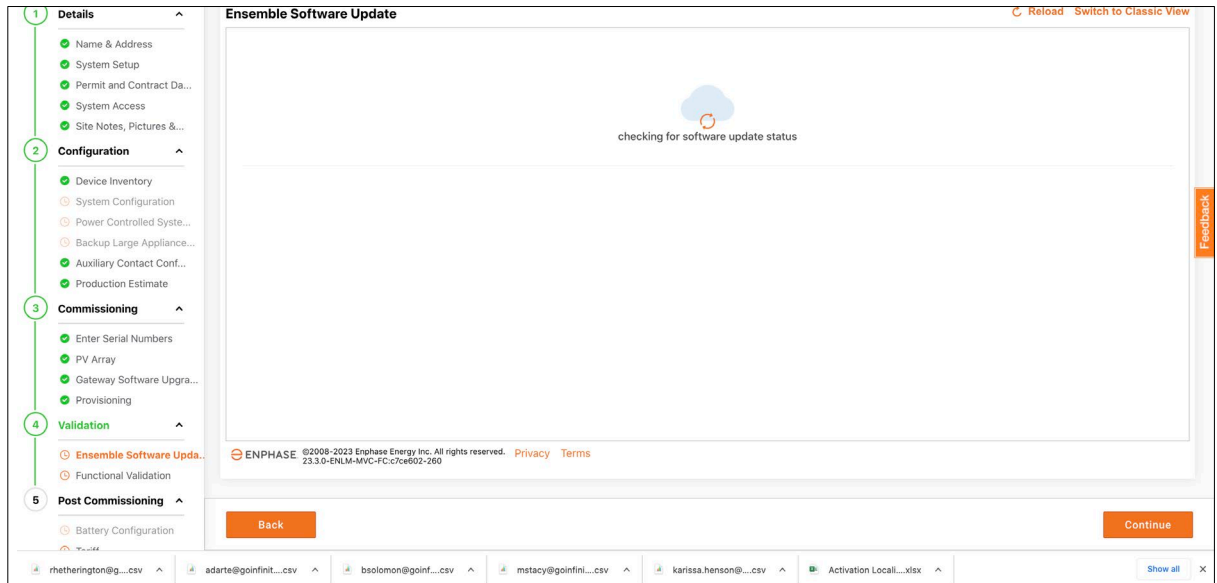
Validation section

The “Validation” section can be observed by the installers remotely or at the site (depending on the use case) post the completion of commissioning activities at the site. This section consists of the following pages:

1. Ensemble Software Update
2. Functional Validation

Ensemble Software Update

This page informs the user regarding the firmware version of the 'Ensemble' system that has been installed. It also informs the user if the system is up-to-date as well as the date the software was updated. This is only applicable to Ensemble systems (Enphase Energy Systems).



Functional Validation

This section, “Functional Validation”, informs the user of the latest functional validation status, as well as the timestamp, Enphase Installer App (Installer Toolkit) version, and OS details (Android or iOS).

1

Details

✓ Name & Address

✓ System Setup

✓ Permit and Contract Dates

✓ System Access

✓ Site Notes, Pictures & Docs

2

Configuration

✓ Device Inventory

✓ System Configuration

✓ Power Controlled System (Optional)

✓ Backup Large Appliances (Optional)

✓ Auxiliary Contact Configuration

✓ Production Estimate

3

Commission

✓ Enter Serial Numbers

✓ PV Array

✓ Storage Array

✓ Gateway Software Update

✓ Provisioning

4

Validation

✓ Ensemble Firmware Update

⌚ Functional Validation

Functional Validation

This is a 6-step process and needs to be initiated and completed from the Enphase Installer Application (ITK)

Current Status

ITK Version : 3.27.0(51)
OS Version : iOS 16.0 (20A362)
Time Stamp : 12/31/1969 06:00 PM CST
Status : Pending

1

Details

✓ Name & Address

✓ System Setup

✓ Permit and Contract Dates

✓ System Access

✓ Site Notes, Pictures & Docs

2

Configuration

✓ Device Inventory

✓ System Configuration

✓ Power Controlled System (Optional)

✓ Backup Large Appliances (Optional)

✓ Auxiliary Contact Configuration

✓ Production Estimate

3

Commission

✓ Enter Serial Numbers

✓ PV Array

✓ Storage Array

✓ Gateway Software Update

✓ Provisioning

4

Validation

✓ Ensemble Firmware Update

⌚ Functional Validation

Functional Validation

✓

Functional Validation is Completed

Current Status

ITK Version : 3.27.0(51)
OS Version : iOS 16.0 (20A362)
Time Stamp : 12/31/1969 06:00 PM CST
Status : Completed

Post Commissioning section

The installers can fill in this “Post Commissioning” section after completing the commissioning. Like the “Validation” section, installers can fill out this page at their office or the site location. This section consists of the following pages:

1. Battery Configuration (Optional)
2. Tariff
3. Installation Map (Optional)
4. Summary Report
5. Homeowner Walk-through

Battery Configuration (Optional)

In this “Battery Configuration (Optional)” section, installers can update the battery configuration details for the recently installed system.

1

Details

✓ Name & Address

✓ System Setup

✓ Permit and Contract Dates

✓ System Access

✓ Site Notes, Pictures & Docs

2

Configuration

✓ Device Inventory

✓ System Configuration

✓ Power Controlled System (Optional)

✓ Backup Large Appliances (Optional)

✓ Auxiliary Contact Configuration

✓ Production Estimate

3

Commission

✓ Enter Serial Numbers

✓ PV Array

✓ Storage Array

✓ Gateway Software Update

✓ Provisioning

4

Validation

✓ Ensemble Firmware Update

✓ Functional Validation

5

Post Commission

⌚ Battery Configuration

⌚ Tariff

Battery Configuration (Optional)

Battery Storage

Optimize your battery based on usage and tariff

Saving Mode

Use if your energy costs vary through the day. Battery is charged during off-peak hours and used during peak hours and after the sun goes down.

30% Reserve

Optimization based on Utility Rates

Activate

Self - Consumption (Active)

Use stored solar to power your home after the sun goes down. Battery is used when solar is not available.

30% Reserve

Increase self-consumption to Maximize consumption

Edit

Full Backup

100% of the battery is reserved for backup.

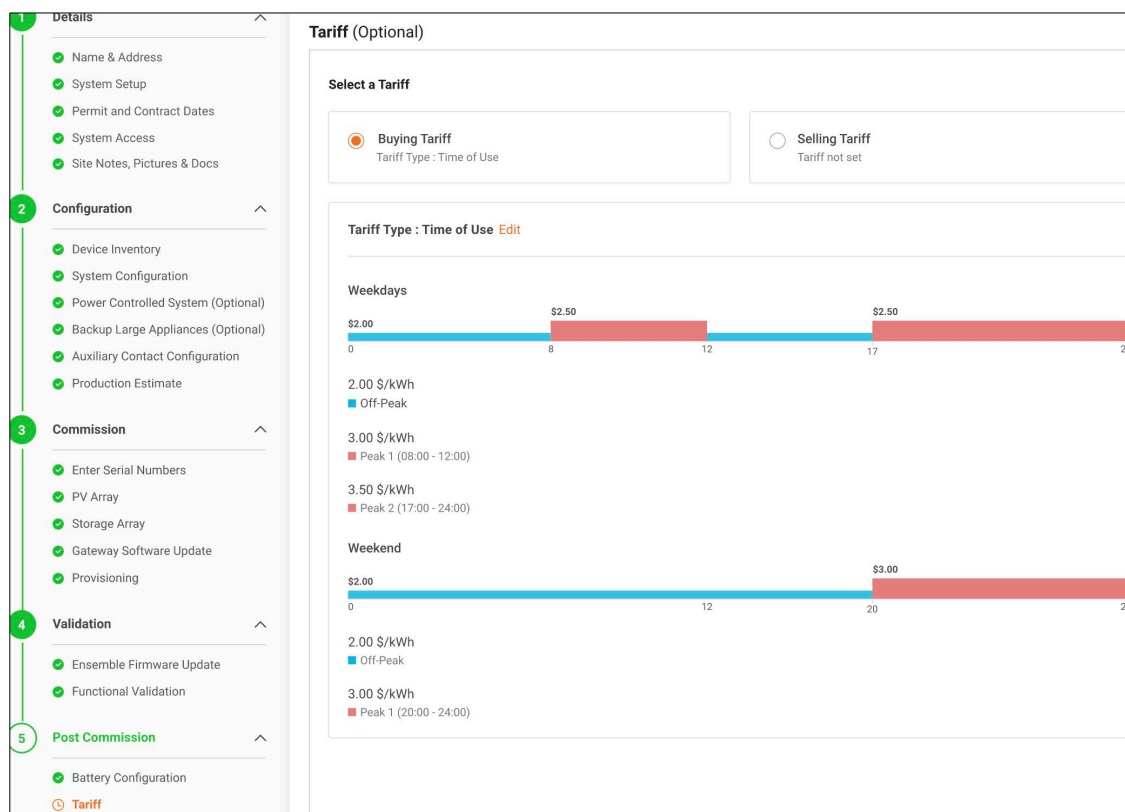
100% Reserve

Activate

Please select the battery mode. Currently battery mode is set to Full Backup and will be changed to selected option once batteries are calibrated to 100%.

Tariff

In the “Tariff” section, installers can update the tariff details that are relevant to the system that has been installed. This information can be later utilized to optimize savings or maximize energy independence, depending on the homeowner's preferences.



Installation Map (Optional)

This section is intended for the installers to update any details relating to the site map, IQ Battery map, single-line diagrams of the installed system, main service panel details, or any other additional documents as may seem fit.

1 Details

✓ Name & Address

✓ System Setup

✓ Permit and Contract Dates

✓ System Access

✓ Site Notes, Pictures & Docs

2 Configuration

✓ Device Inventory

✓ System Configuration

✓ Power Controlled System (Optional)

✓ Backup Large Appliances (Optional)

✓ Auxiliary Contact Configuration

✓ Production Estimate

3 Commission

✓ Enter Serial Numbers

✓ PV Array

✓ Storage Array

✓ Gateway Software Update

✓ Provisioning

4 Validation

✓ Ensemble Firmware Update

✓ Functional Validation

5 Post Commission

✓ Battery Configuration

✓ Tariff

🕒 Installation Map

Installation Map (Optional)

Site Map ?

Site Map

site_map.PDF

✕

Share document link

Preview

Give us a link from Google Drive, Dropbox, etc

Encharge Map ?

Encharge Map

encharge_map.PDF

✕

Share document link

Preview

Give us a link from Google Drive, Dropbox, etc

Single Line Diagram (SLD) ?

No file selected

Add Document

Share document link

Must be PNG, JPG, GIF, OR PDF files under 2MB in size.

Give us a link from Google Drive, Dropbox, etc

Main Service Panel (MSP)

No file selected

Add Document

Share document link

Must be PNG, JPG, GIF, OR PDF files under 2MB in size.

Give us a link from Google Drive, Dropbox, etc

Additional Documents ?

No file selected

Add Document

Share document link

Must be PNG, JPG, GIF, OR PDF files under 2MB in size.

Give us a link from Google Drive, Dropbox, etc

Document Upload Checklist

1. Utility Bill

2. Equipment Elevation

3. Plan Set

Summary Report

In the “Summary Report” section, installers can view and download the summary report anytime.

1 Details

- Name & Address
- System Setup
- Permit and Contract Dates
- System Access
- Site Notes, Pictures & Docs

2 Configuration

- Device Inventory
- System Configuration
- Power Controlled System (Optional)
- Backup Large Appliances (Optional)
- Auxiliary Contact Configuration
- Production Estimate

3 Commission

- Enter Serial Numbers
- PV Array
- Storage Array
- Gateway Software Update
- Provisioning

4 Validation

- Ensemble Firmware Update
- Functional Validation

5 Post Commission

- Battery Configuration
- Tariff
- Installation Map
- Summary Report

Summary Report

Download

Enlighten System Summary Report

25 Jan 2021, 03:14 PM

System

| | | |
|--------------|----------------------------|--|
| Name | Installer Reference | Owner: |
| IDC-ENS2-NA3 | SIT TESTING | sitreferralltestuser01@dispostable.com |

| | |
|------------------------|-----------------|
| Street 1 | Street 2 |
| Yorkshire Road | NA |
| City | State |
| Petaluma | CA |
| Zip/Postal Code | Country |
| 94954 | United States |

Envoy

| | | |
|----------------------|-------------------------|-------------|
| Serial Number | Software version | Type |
| 202038014213 | D7.0.0.210121 (abf728) | Envoy-IQ |

| | | |
|--------------------------------|------------------------------|-----------------------|
| Production Meter | Consumption Meter | Rate structure |
| Lifetime: 189.59TWh Enabled | Lifetime: 2.04MWh Enabled | Time of Use |

| | |
|--------------------------------|---------------------------------|
| Connection to Enlighten | Last report to Enlighten |
| Ethernet | 25 Jan 2021, 03:11 PM |

11 Microinverters, 1 Enpower

Grid Profile: CA Rule21 201902 VV VW FW (1.2.8)

Homeowner Walk-through

This “Homeowner Walk-through” section is a reminder regarding the checklist of action items that the installers must complete before handing over the system to the homeowner.

1 Details

- Name & Address
- System Setup
- Permit and Contract Dates
- System Access

2 Configuration

- Device Inventory
- System Configuration
- Power Controlled System (Optional)
- Backup Large Appliances (Optional)
- Auxiliary Contact Configuration
- Production Estimate

3 Commission

Homeowner Walk-through

Please confirm if you discussed following topics with the site owner

- ☒ 1) Physical location of Enpower, Encharge and Envoy
- ☐ 2) Loads/Appliances in back up
- ☐ 3) Enlighten App overview
 - ☐ a) [Live Status and Energy view](#)
 - ☐ b) [Different Battery Storage modes of operation](#)
 - ☐ c) [Storm Guard feature](#)
- ☐ 4) [Enphase community](#), Installer and Enphase Customer Support (email, chat, phone)

Revision history

| Revision | Date | Description |
|---------------|-----------|-----------------|
| USG-00015-1.0 | July 2023 | Initial release |

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