Commissioning of grid-tied PV-only Enphase Energy System

Contents

July 2023

TEB-00034-2.0

Applicable countries

- Australia
- New Zealand

Overview

This document is intended for installers who commission Enphase Energy System in grid-tied applications. Follow the steps to establish successful commissioning of the PV system.

Preparing for Enphase Installer App (Installer Toolkit) communications

The following process assumes that all IQ Microinverters have been installed in accordance with local standards and best practices, tested for appropriate voltages, and are ready to be energized.

Always follow the safety warnings and instructions for all the products in the Enphase Quick Install Guides and Installation Manuals.

NOTE: For IQ7/IQ8 Series Microinverter system commissioning, the Enphase Installer App version 3.31.X or greater and IQ Gateway software 7.6.168 or greater are required. The upgrade will be part of the commissioning if your IQ Gateway software version is less than 7.6.168. It may take approximately 20–30 minutes for a software upgrade.
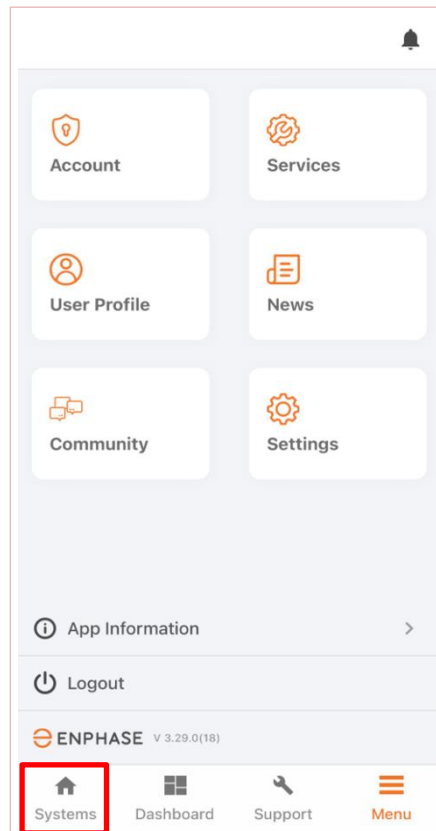
Legacy Enphase Installer App 2.0
(not used for IQ Microinverter commissioning)

New Enphase Installer App 3.0
(used for IQ Microinverter) commissioning)

You can install the Enphase Installer App using the following links:

- o [iOS](#)
- o [Android](#)

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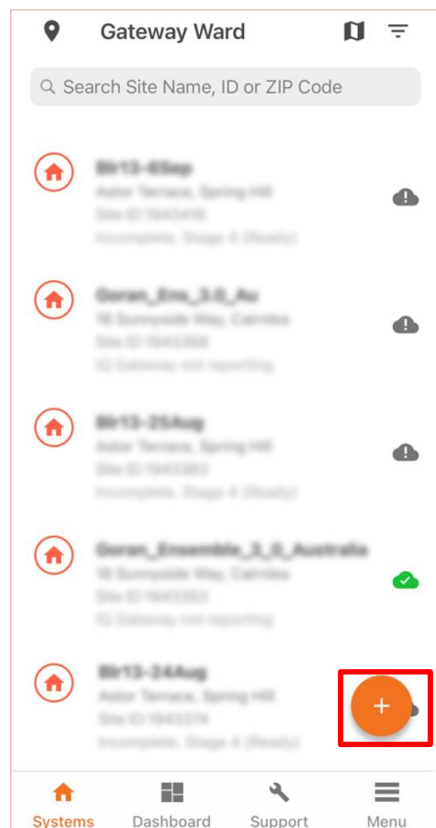
Commissioning process

1. On the Enphase Installer App homepage, select "Systems".

2. Tap the "+" button to create a site.

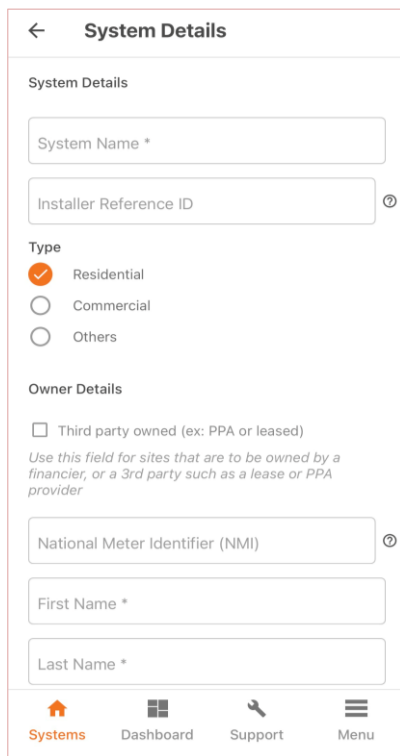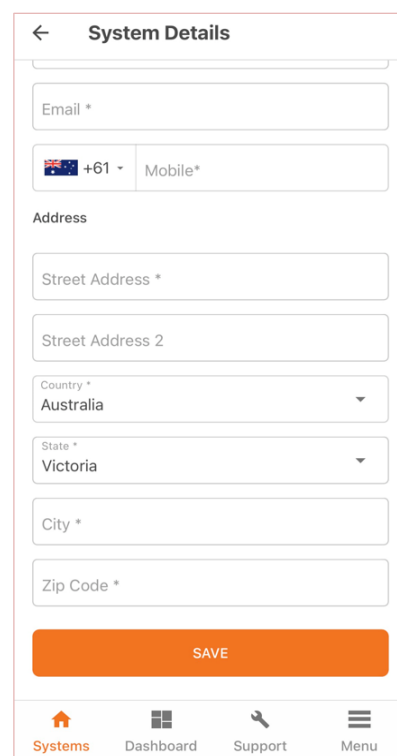_____Installer initials: All steps complete on this page.

3. In the "New System" homepage, tap "System Details" to start the wizard.
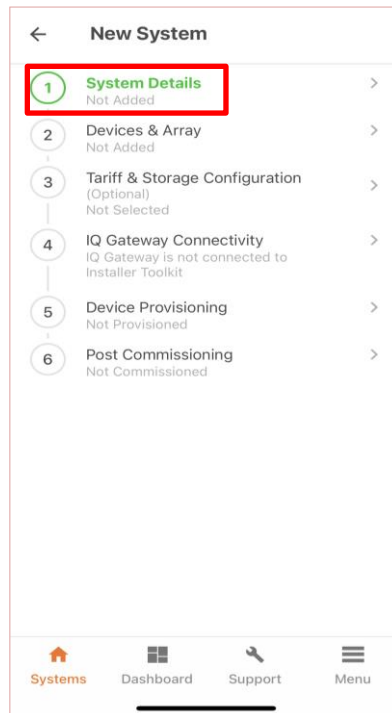
Step 1: System Details

Fill in the site information and customer details.

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Step 2: Devices & Array

1. Tap "Devices & Array", then follow the prompts to scan "IQ Gateway", as shown in the following screen.
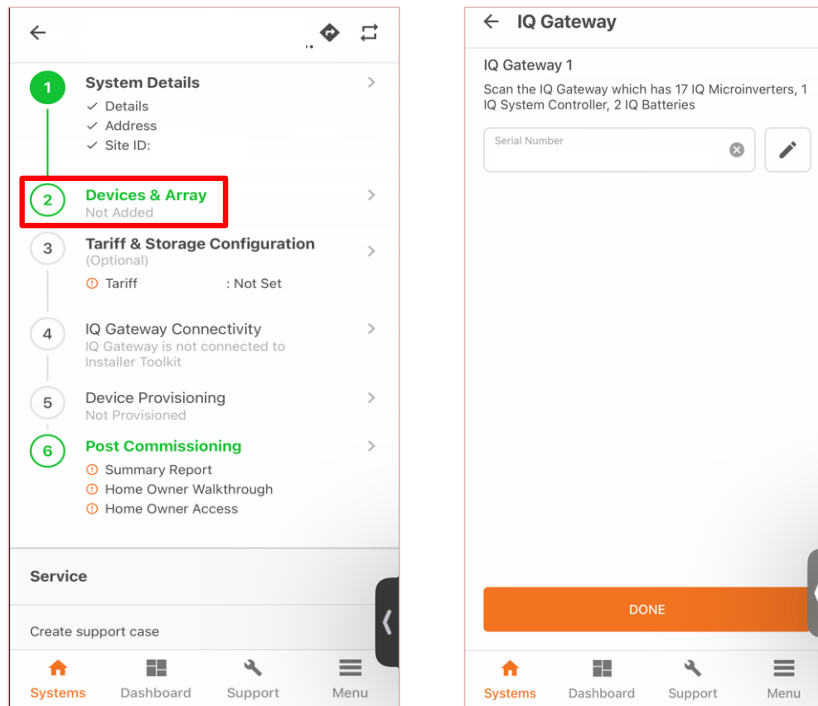

2. Select the grid profile, then scan the IQ Microinverters.

> **NOTE:** Make sure the correct grid profile AS/NZS 4777.2:2020 is selected based on the region A/B/C/NZ.

> **NOTE:** Contact Enphase Support if a different grid profile is required with different protections settings, power quality response modes enabled, or export limit control settings.
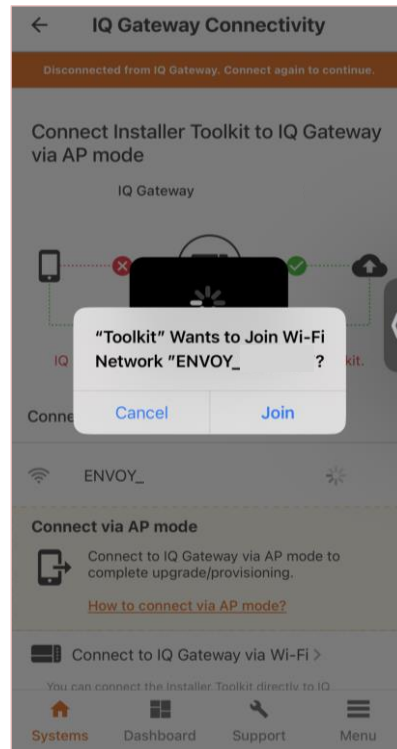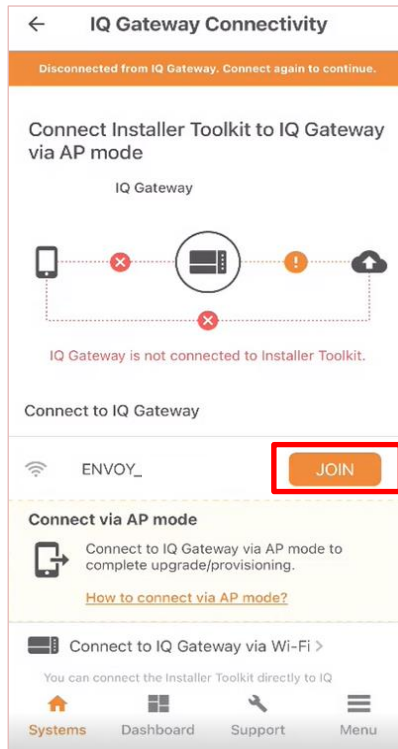
_____Installer initials: All steps complete on this page.   TEB-00034-2.0
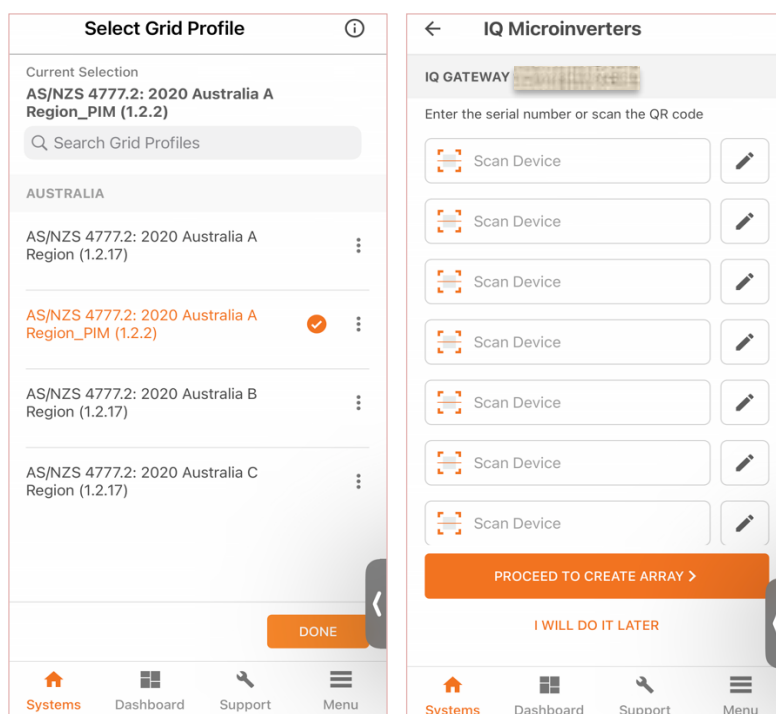
Step 3: Tariff & Storage Configuration
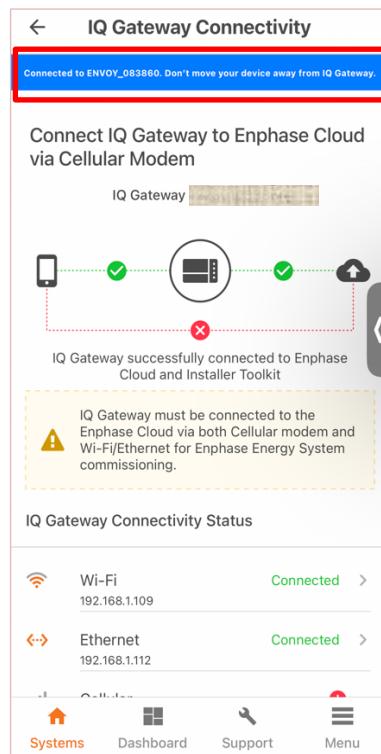
This step is optional.

Step 4: IQ Gateway Connectivity

1. To activate and connect to the access point network, tap "JOIN".

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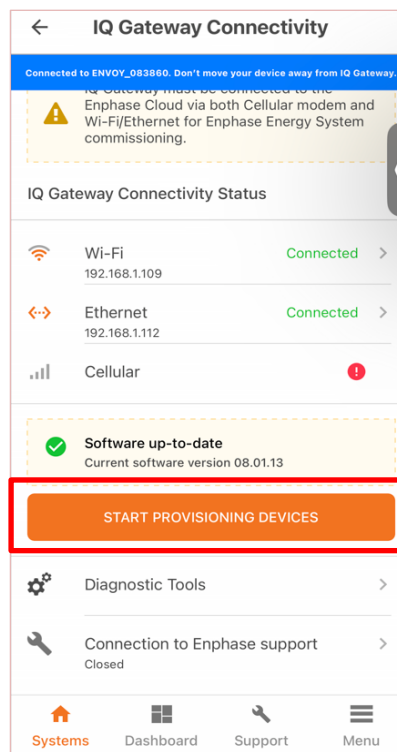_____Installer initials: All steps complete on this page.   TEB-00034-2.0

2. Once connected, the status tab changes from orange to blue, then connect the system to the customer's Wi-Fi or Ethernet.
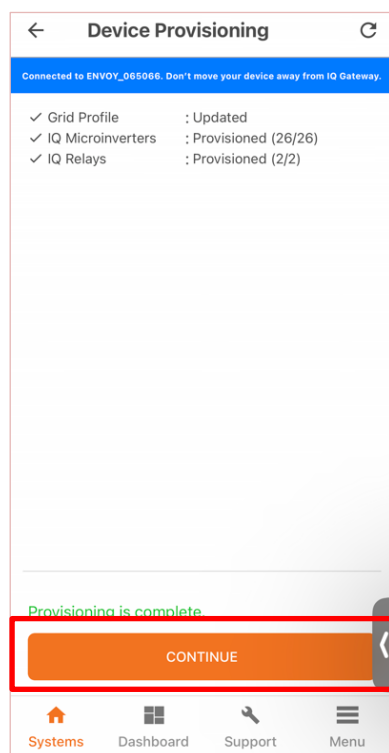

Step 5: Device Provisioning

1 After any potential software update, tap "START PROVISIONING DEVICES".

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2   Tap "CONTINUE" once the provisioning is complete.

NOTE: After provisioning is complete, the IQ Microinverter takes around 20–30 minutes to start production.

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Step 6: Post Commissioning

**System validation**

1. Production meter

   1.1   Follow the prompts to set up the production meter wizard.
   1.2   For the expert mode, tap "ENABLE PRODUCTION METER".

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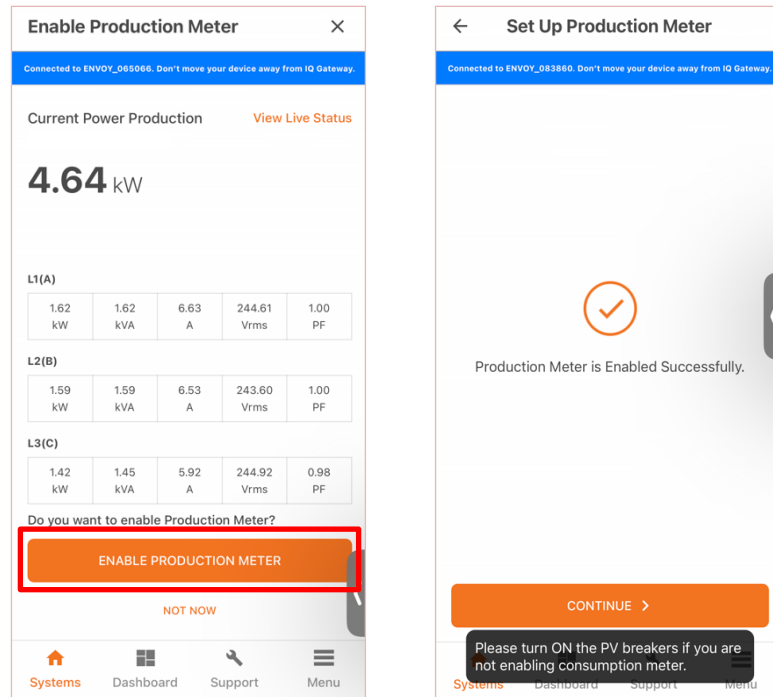
2. Consumption meter
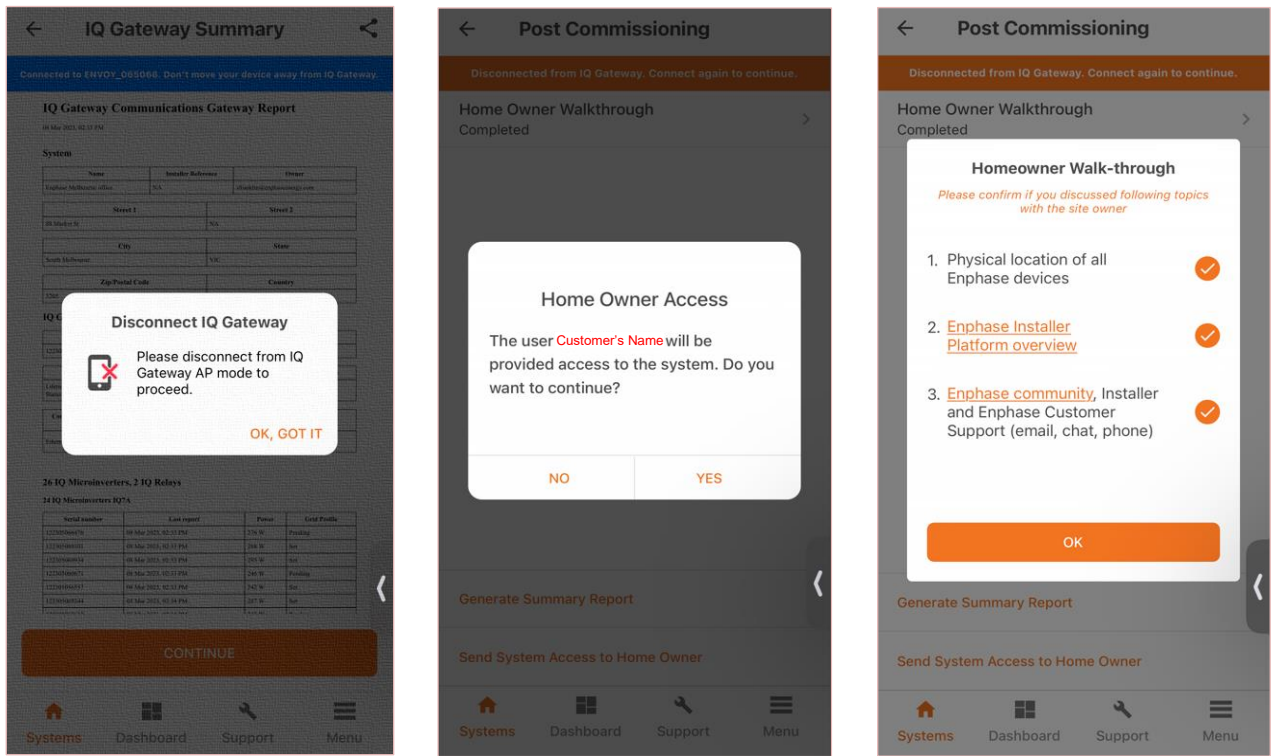
    2.1. Follow the prompts to set up the consumption meter wizard.

    2.2. Select the "Meter Location". Typically, it is "Load with Solar".
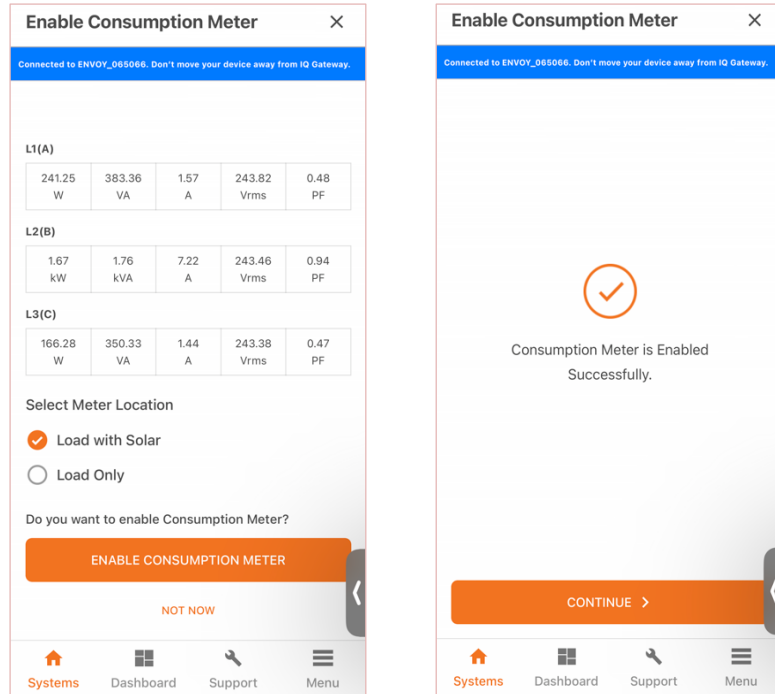
Follow the procedure for post commissioning:

1. Disconnect from the IQ Gateway AP mode and turn on your cellular network connection or connect your smart device to a local Wi-Fi network.
2. Once the status tab changes to orange, tap "POST COMMISSIONING".

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3. Provide access to the homeowner and then follow the prompts.

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Revision history

Revision	Date	Description
TEB-00034-2.0	July 2023	Added note to contact Enphase Support if a different grid profile is required.
TEB-00034-1.0	June 2023	Initial release

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