

Commission Before Upgrade — Application Note

Revision history

Version 1.0, February 2024: Initial release

Overview

Commissioning Before Upgrade (CBU) eliminates the need for upgrading firmware during installations. CBU allows you to immediately commission inverters in SetApp without waiting for the firmware to update. The SolarEdge servers perform firmware updates overnight. This allows quick and cost-effective commissioning.

CBU benefits:

- Decreased commissioning time saves you 12-15 minutes
- Automatically updates firmware overnight

Before you begin

Verify that you have an internet connection and SetApp is installed on your mobile device.

System requirements

The following lists the requirements to activate CBU:

- Residential site with a single-phase or three-phase inverter
- PV-only system consisting of a single inverter and power optimizers without additional devices
- Firmware release 4.15.119 or higher

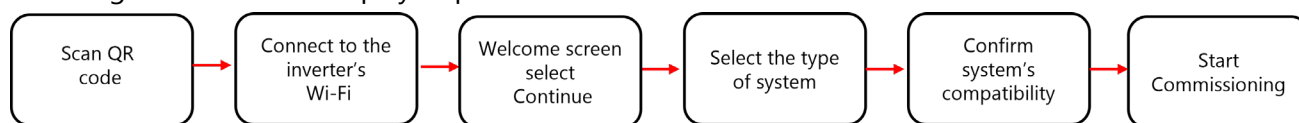


NOTE

Before installing or commissioning an inverter, see the safety information provided in the installation guide of the inverter.

Commission Before Upgrade

This diagram shows the steps you perform to enable CBU:

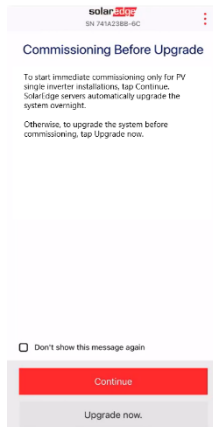


Step 1: Connect to the inverter's Wi-Fi

1. Open SetApp and connect to the inverter by scanning the QR code.
2. Move the ON/OFF/P switch on the inverter in the P direction, hold for two seconds, and release.
3. Tap **Continue** to establish Wi-Fi connection with the inverter.
4. From the **Wi-Fi Connected** screen, tap **Continue**.

Step 2: Run CBU

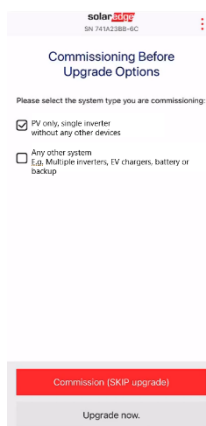
1. In the **Commissioning Before Upgrade** screen, tap **Continue**.



NOTE

To prevent this message from repeating, select **Don't show this message again**.

2. In the **Commissioning Before Upgrade Options** screen, select the type of system and tap **Commission (Skip Upgrade)**. PV-only single inverter system is selected by default.



3. In the pop-up, read the message and tap **Understood, continue**.

Step 3: Activate and commission the inverter

1. From **Device Activated** screen, tap **Continue**.
2. In the **Commissioning** menu, define the fields in the following order:

Field	Action
Country & Grid	<ol style="list-style-type: none">1. Tap on Country & Grid.2. From the drop-down list, select the required country and grid.3. Tap Set Country & Grid and then tap Yes.4. A dialog appears. Tap Done.5. Tap the back arrow to return to the Commissioning menu.
Pairing	<ol style="list-style-type: none">1. Tap Pairing.2. Tap Start Pairing.3. After Pairing begins, tap the back arrow to return to the Commissioning

	<p>menu.</p> <p>Pairing continues in the background and a banner displays its status.</p>
Monitoring Communication	<ol style="list-style-type: none"> 1. Tap Monitoring Communication. 2. Check the communication status. The status reads either: <ul style="list-style-type: none"> ■ Connected – Tap the back arrow to return to the Commissioning menu ■ Not Connected – Refer to Setting Up Communication with the Monitoring platform: <ul style="list-style-type: none"> ○ Single Phase inverters see, Chapter 6 in Single Phase Inverter Installation Guide ○ Three Phase inverters: see Chapter 6 in Three Phase Inverter Installation Guide <p>IMPORTANT: Verify that Monitoring Communication is established to enable the automatic firmware upgrade overnight.</p>

**NOTE**

After the commissioning is completed, verify the following:

- The inverter is connected to the AC.
- The blue LED, located next to the P switch, is ON.

It takes approximately one minute to activate the inverter.