

Goodwe inverter firmware upgrade via Bluetooth dongle

Caution! This manual is suitable for both hybrid and string inverters. Check page 7 for storage inverters' manual.

Instruction for String inverters

We distinguish two upgrade versions per inverter

- 1) ARM Upgrade
- 2) DSP Upgrade

Good to know

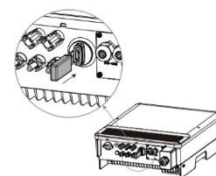
- To perform this upgrade, you need a Bluetooth dongle with a USB adapter
- Upgrade the ARM firmware version first and then the DSP firmware version.
- This upgrade option is currently only available for installers
- During the upgrade the inverter will temporarily stop exchanging data. The device will start up automatically after it has finished upgrading.
- The ARM and DSP firmware cannot be upgraded at the same time, they should be upgraded one by one. ARM first, then the DSP.
- Installation of the above upgrades is done in the same way, though you need two different files for ARM and DSP.

Make sure you have the latest firmware version. We have already put the most recent upgrade files on a public Google Drive environment for you. https://drive.google.com/drive/folders/110hBxoNVC4M9F_GK5sKP7uq_aDNxwstZ


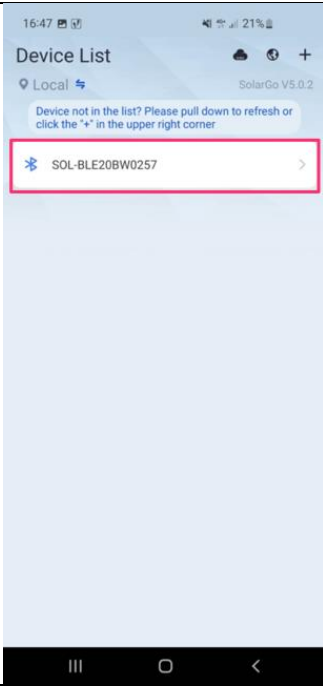
Check out "Appendix 1" to find out how to get the upgrade files on your mobile.

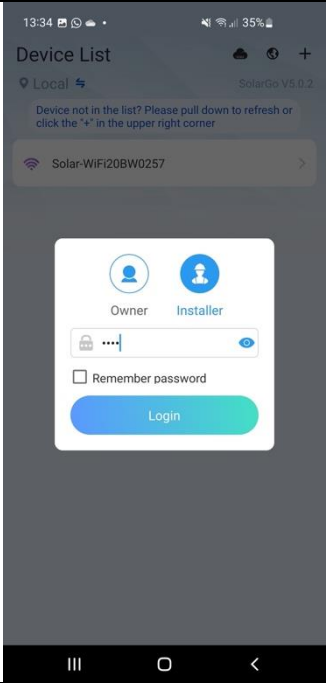
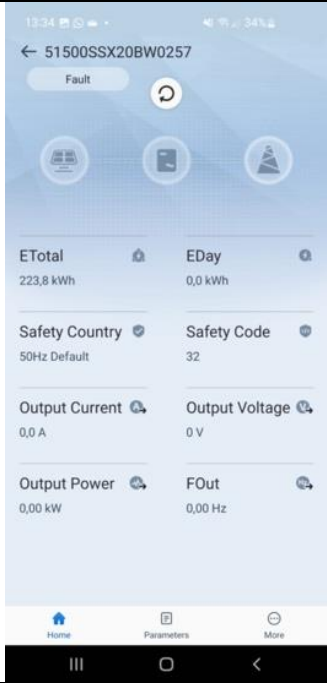
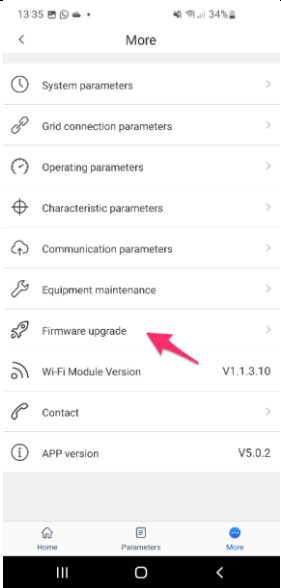
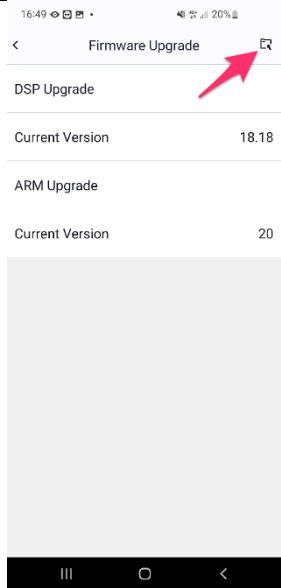
Installing Bluetooth dongle step-by-step

1. Turn off the inverter.
2. Insert the USB bluetooth dongle into the inverter.
3. Turn on the inverter again.
4. Turn on the bluetooth on your phone.
5. Follow the steps below.



1. Install ARM/DSP upgrade via SolarGo app.

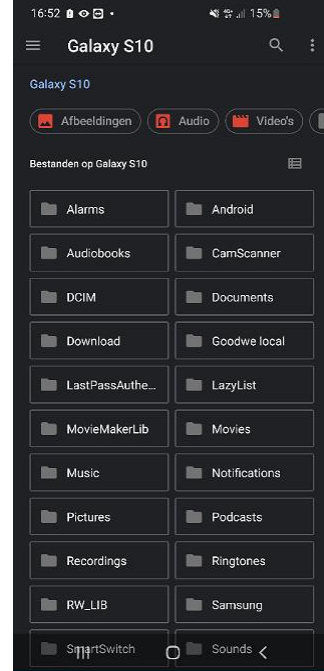
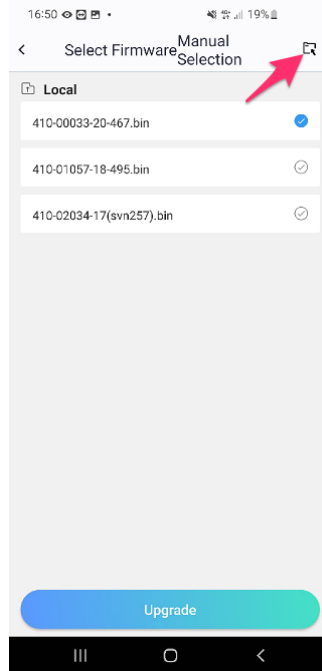
<p>1. Download and install the SolarGo app from the Google Play store or Apple App Store on your phone.</p>	<p>2. On the SolarGo app and wait until the inverter appears in the home screen.</p> <p>From the available inverters, select the name "SOL-XXXXXXXX". The last 4 digits of the inverter name correspond to the last 4 digits of the serial number of the inverter.</p>
	

<p>3. Type 1234 and hit Log in.</p>	<p>4. The home page appears with some details. At the bottom, press More...</p>
	
<p>5. Then choose Firmware upgrade.</p>	<p>6. In this screen, you can view the installed versions of both ARM and DSP. Click the top right button to browse to the file.</p>
	
<p>7. In this screen, you can view added upgrade files or select new files to upgrade. Press the top right button</p>	<p>8. Selecteer de daadwerkelijke installatiebestand en keer terug naar het vorige scherm.</p>

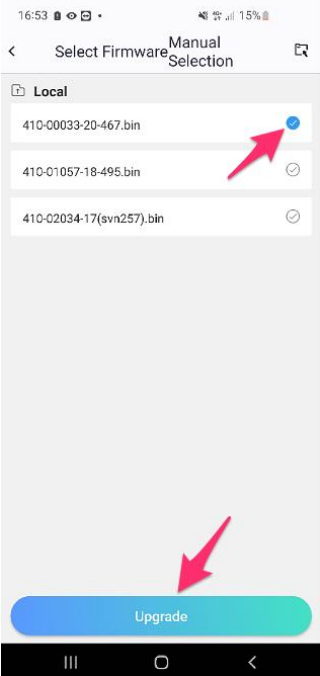
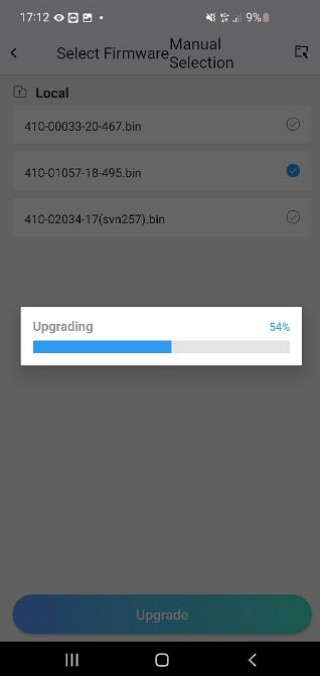
again to select file(s) from your phone.

Note! You can add multiple files to this list, but you can only upgrade one file at a time.

Then click Upgrade to start installing the upgrade file.



Check out "Appendix 1" to find out how to get the upgrade files on your mobile.

<p>9. Next, select Firmware upgrade.</p>	<p>10. The inverter is now being upgraded. Wait until the status bar reaches 100% and do not turn off the inverter.</p>
	

Successful! You have now successfully upgraded the inverter. Follow the same steps for DSP to complete the upgrade.

Instruction for Storage inverters

Caution! This manual is not suitable for string inverters and can only be used with hybrid (storage) inverters. Check page 1 for the string inverter's manual.

We distinguish two upgrade versions per inverter

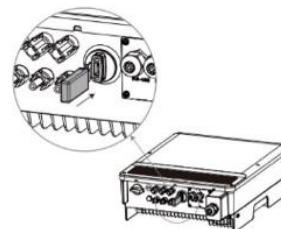
- ARM Upgrade
- DSP Upgrade

Good to know

- To perform this upgrade, you need a Bluetooth dongle with a USB connection
This is delivered by default within all storage inverters.
- This instruction is intended for all ES and ET versions produced after December 2020 as well as all EM, EH, BT, BH, SBP inverters.
- Use SolarGo app from Goodwe to upgrade the firmware version
- Always install the ARM version first and only then the DSP version.
- Make sure you have the latest firmware version. We have put the latest upgrade files on a public Google Drive environment for you.
https://drive.google.com/drive/folders/110hBxoNVC4M9F_GK5sKP7uq_aDNxwstZ

Installing Bluetooth dongle step-by-step

1. Turn off the inverter.
2. Insert the USB bluetooth dongle into the inverter.
3. Turn on the inverter again.
4. Turn on the bluetooth on your phone.
5. Follow the steps below.



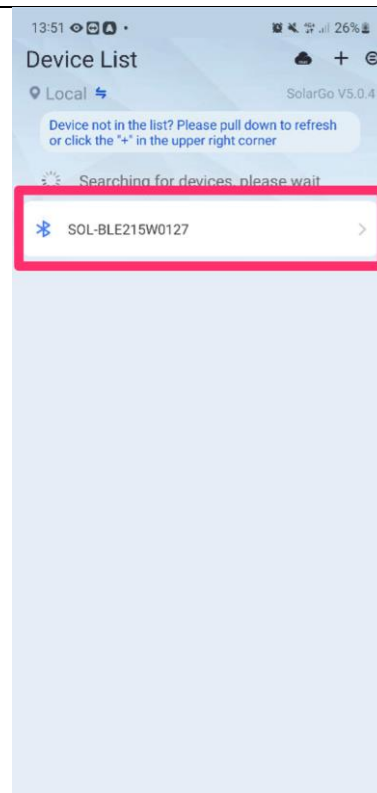
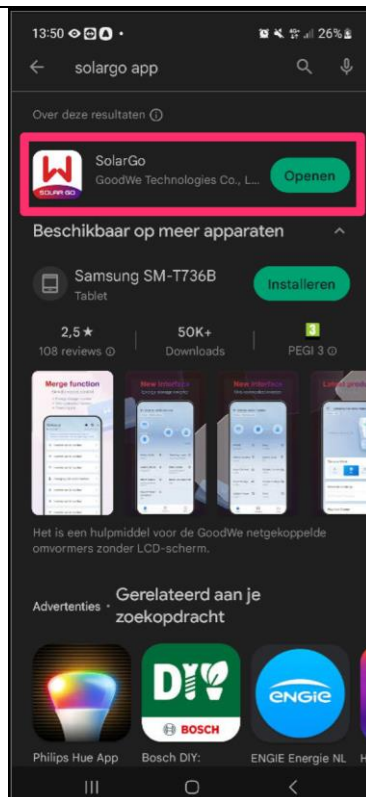
Installatie ARM/DSP upgrade via SolarGo app

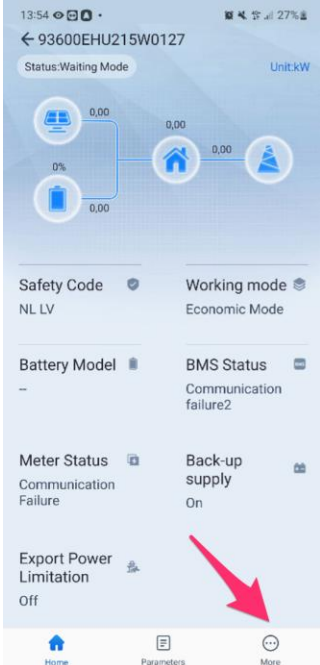
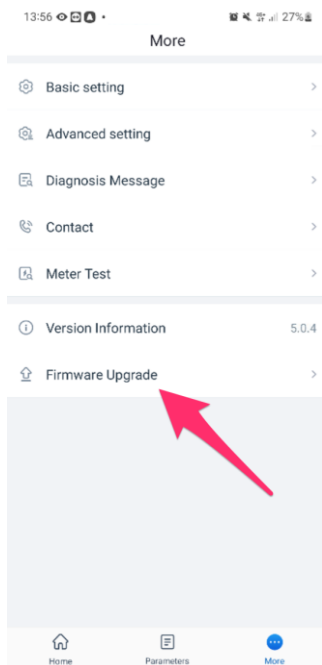
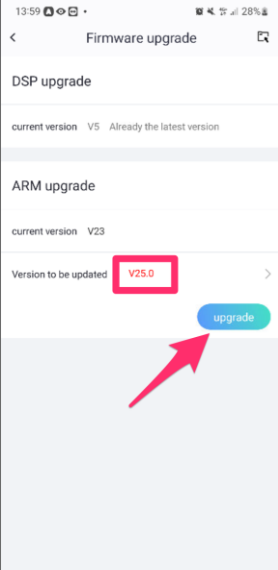
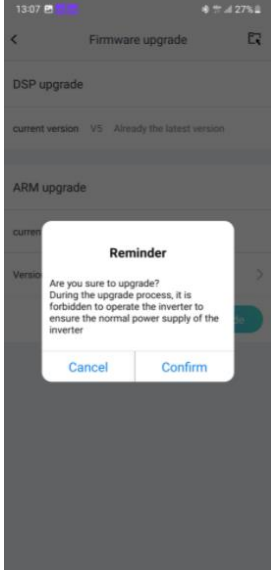
1. Download en installeer de **SolarGo** app via de Google Play store of Apple App Store op jouw telefoon.

If you already have downloaded the app to your phone, please make sure you have the latest version by updating it.

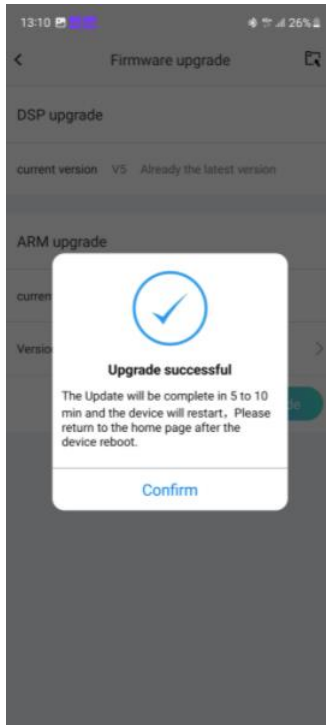
2. Open de app, enable the bluetooth connection and wait until the device appears on the list below automatically.

If this does not happen, put the phone in flight mode, enable the Bluetooth, 4/5G only and try again.



<p>3. Choose more in the next screen.</p>	<p>4. Then choose for Firmware upgrade</p>
	
<p>5. In next screen, you can see if there is a new version available by red color and version number.</p> <p>To install the update, simply click on Upgrade.</p>	<p>6. Confirm it in the next screen.</p>
	

7. Click on confirm and wait until the update is done.



If you see the message Upgrade Successful, please wait between 5 and 10 minutes for the inverter to restart automatically. After the device restarts, you can continue to adjust the settings.

Appendix 1: Saving upgrade files to the phone

To perform the firmware upgrade via the SolarGo app, you first need to make sure the upgrade files are on your phone. Follow the steps below to save the files on your phone.

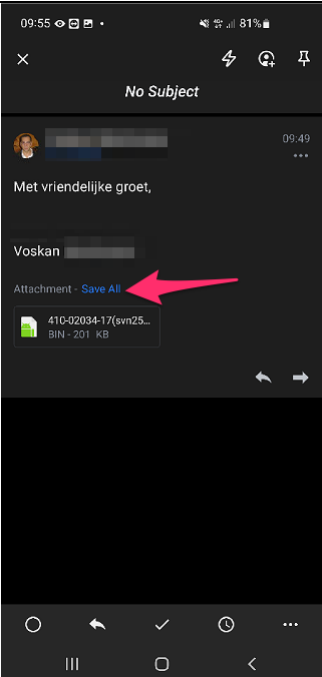
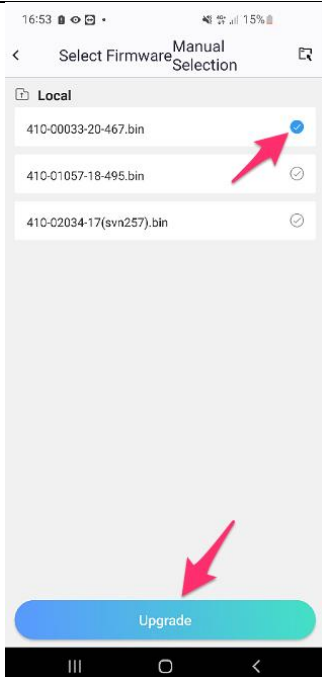
There are several ways to do it

- 1) Save files from email (any email app or Gmail)
- 2) Save files from WhatsApp

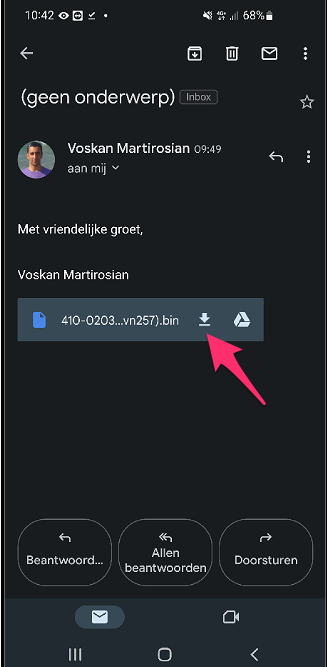
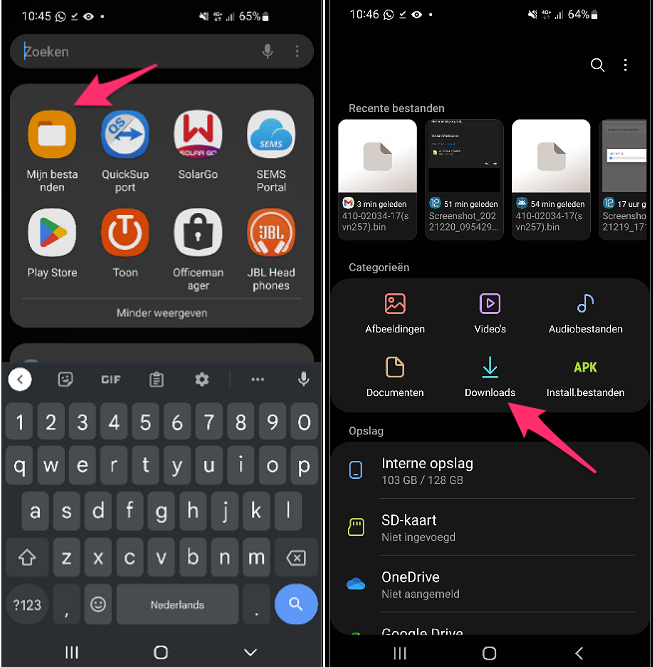
Download the (.bin) files from the public Google Drive environment and send them to the phone using one of the methods below:

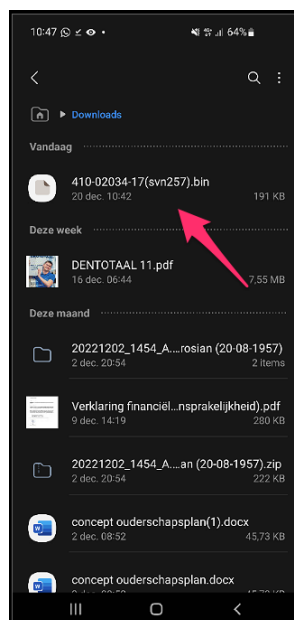
https://drive.google.com/drive/folders/110hBxoNVC4M9F_GK5sKP7uq_aDNxwstZ

Save files from email app on mobile

<p>1. Email the file(s) from your PC to your mobile. Open the email app on your mobile and save the files to your mobile. To do this, choose a folder you can easily find.</p>	<p>2. After saving the files to your mobile, you can follow the step 8 of the above guide to install the upgrade.</p>
	

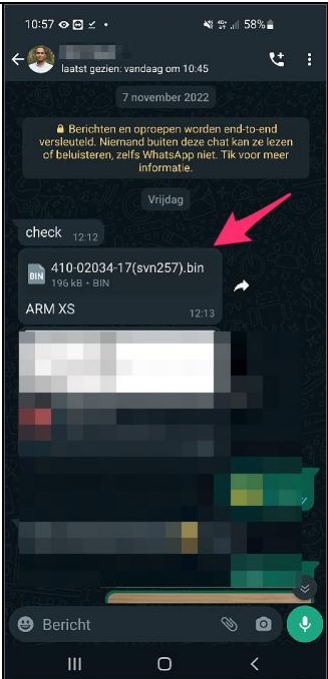
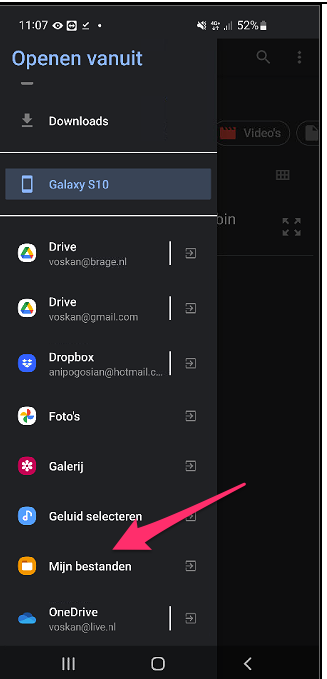
Save files from Gmail app on mobile

<p>1. Mail the file(s) from your PC to your mobile. Open the gmail app on your mobile click the download icon to save the files to your phone.</p>	<p>2. The file is now downloaded to your mobile. You can find it in the My Files > Downloads folder</p>
	



Save files from WhatsApp on mobile

Ask Goodwe support to send the upgrade files by WhatsApp to your mobile. Then follow the steps described below to transfer the files to your phone.

<p>1. In the screenshot below, you can see that we received the upgrade file via WhatsApp.</p>	<p>2. Go back to SolarGo app and choose browse to select the file(s) you want to use to upgrade.</p> <p>Then click on hamburger menu on top left and choose My files at the bottom</p>
	

3. Then click on search icon and type in ".bin".

4. You will see immediate results after searching. The found files are displayed in the list below it.

Select the file and choose Done.

