

Commissioning Document S6 Inverter

Solis Australasia

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1 Pre-Commissioning

1. Make sure that no high voltage conductors are energized.
2. Check all conduit and cable connection points ensure they are tight.
3. Verify that all system components have adequate space for ventilation as prescribed in the installation manual.
4. Follow each cable to ensure that they are all terminated in the proper places.
5. Ensure that all warning signs and labels are affixed on the system equipment.
6. Verify that the inverter is secured to the wall and is not loose or wobbly.
7. Prepare a multimeter that can do both AC and DC amps.
8. Have an Android or Apple mobile phone with Bluetooth capability.
9. Install the Soliscloud APP on the mobile phone and register a new account.
10. There are three ways to download and install the latest APP:
 - You can visit www.soliscloud.com.
 - You can search for "SolisCloud" on the Google Play or the APP Store.
 - You can scan the QR code in Figure 1 to download SolisCloud.



Figure 1: Scan this with your Phone Camera to download SolisCloud

2 Commissioning

This manual will help you to commission S6 inverter on site using Bluetooth. Please follow the steps below:

2.1 Connecting with Bluetooth

Ensure that your mobile phone's Bluetooth is enabled and turned on. Then open the Solis cloud APP. If you are an existing SolisCloud user progress to Section 2.1.2, otherwise, if you are a new user progress to Section 2.1.1.

2.1.1 As a New User

As shown in Figure 2: Click **More Tools** → **Local Operation** → **Connect with Bluetooth**.

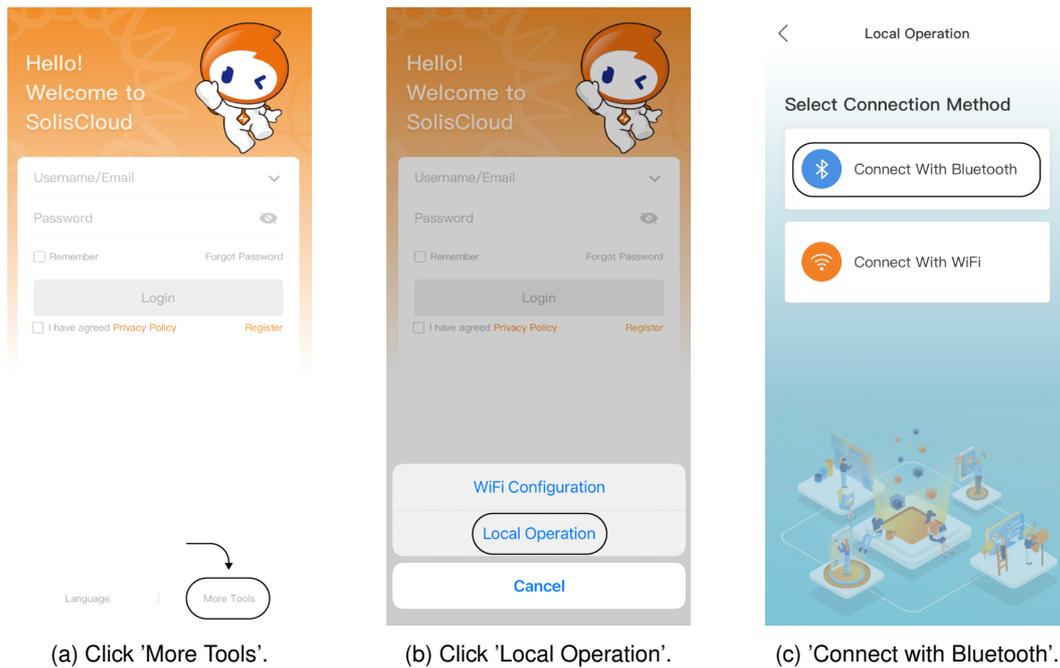


Figure 2: Steps to connect via Bluetooth

2.1.2 As an Existing User

As shown in Figure 3: Click **Service** → **Local Operation** → **Connect with Bluetooth**.

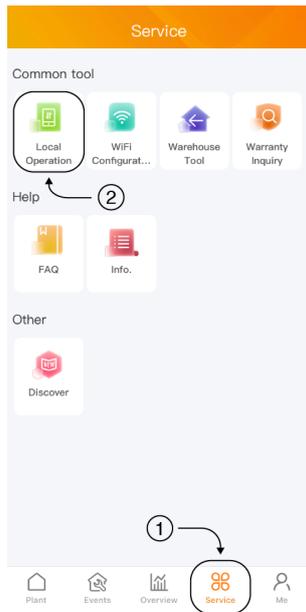


Figure 3: Select 'Service' and then select 'Local Operation'

2.2 Select Device

You should now be able to view, access and connect to nearby Bluetooth enabled items. Please select your inverter from the available options.

You can identify your inverter by its serial number (SN) - which can be found on the Inverter's nameplate. As illustrated in Figure 4, your device will appear on your phone as: **INV_SN**. Here, 'SN', is substituted for your devices Unique Serial Number.

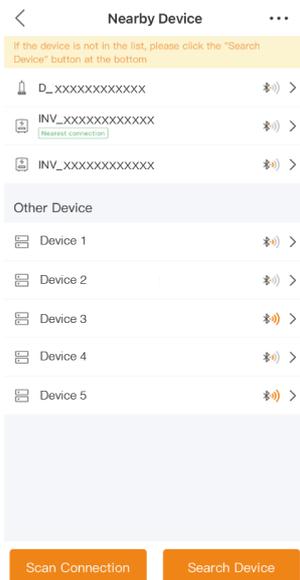


Figure 4: Select your Inverter Device, identified by its' Serial Number which should replace 'XXXXXXXXXXXX'.

2.3 Account Login

If you are the installer please select the account type as '*Installer*'. If you are the plant owner please select the account type as '*Owner*'. (The first log-in must be finished by the installer in order to do the initial setup)

Then set your own initial password for control verification. For future debugging purposes, it is **highly recommended** to set the initial password to: *Solis1*

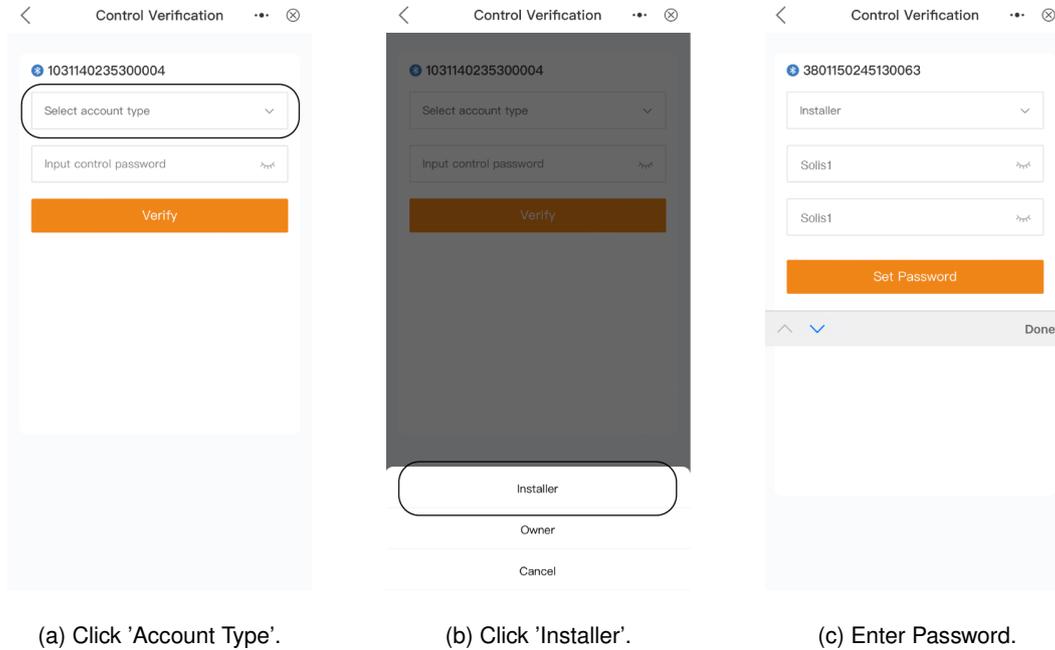


Figure 5: Account Setup Steps

2.4 Initial Setup

If this is the first time the inverter has been commissioned you will need to set up the device's Grid Code and EPM settings. The subsections below outline the step-by-step process to be followed.

To note, these settings can then also be changed later.

2.4.1 Grid Parameter Setting

As illustrated in Figures 6a and 6b: Click **Grid Parameter Setting** → **Grid Code Setting**.

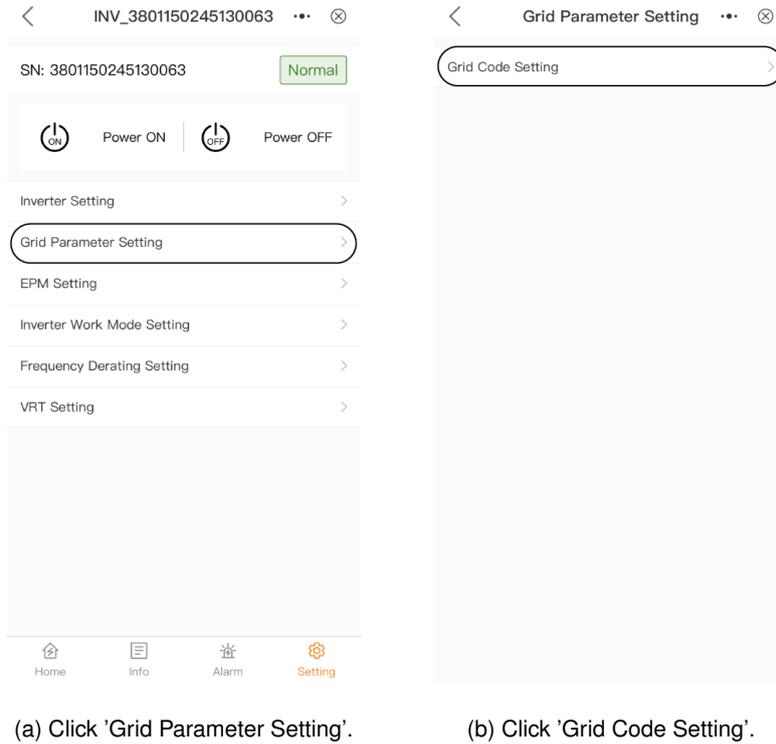


Figure 6: Grid Parameter and Code Settings

You should now be displayed a screen similar to that shown in Figure 7. Please select your Country/Region from the available list.

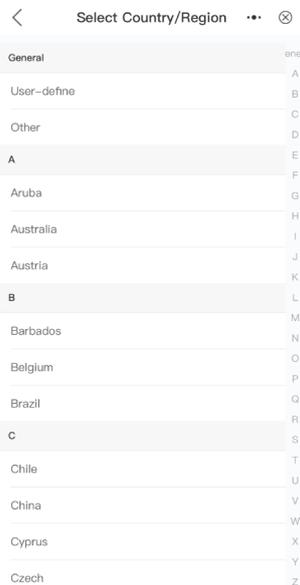


Figure 7: Select your relevant Country/Region. IE, if in Australia, select 'Australia'.

If you selected Australia, you should now be displayed a screen similar to that shown in Figure 8. Please select the grid code as required by your state/territory.

Once complete, click **Save**.

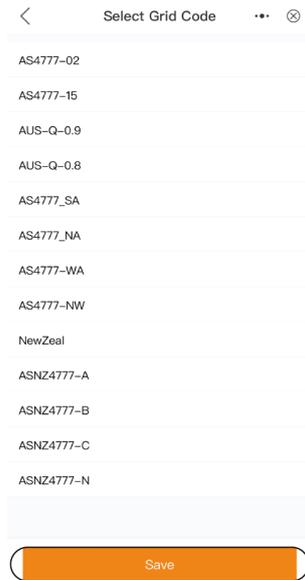


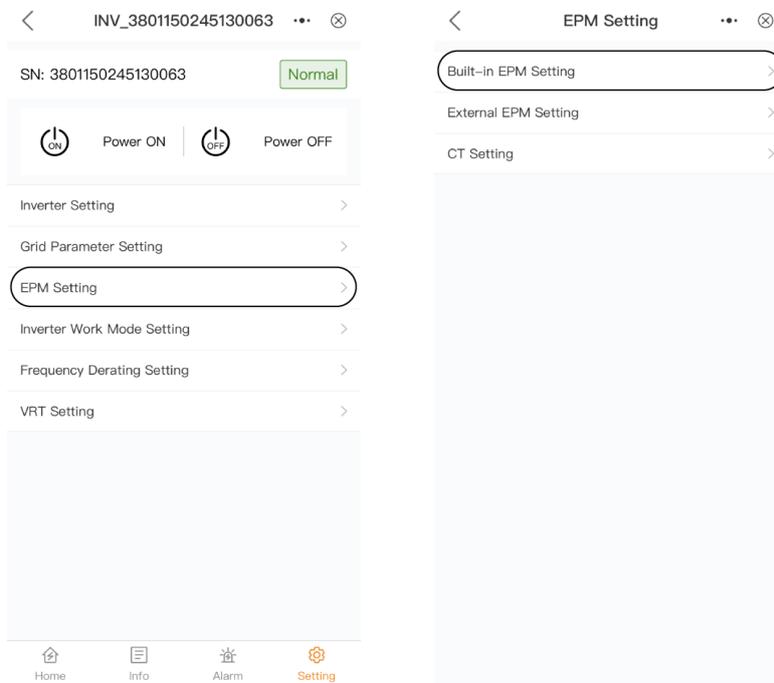
Figure 8: After selecting your relevant Grid Code, then click 'Save'.

NOTE: If in New Zealand, select your region as *Australia* and then select your grid code as *ASNZ4777-N*.

2.4.2 EPM Setting

Perform changes to your EPM settings only if a smart meter has been installed on-site. If there is no meter on-site, proceed to Section 3.

As illustrated in Figures 9a and 9b: Click **EPM Setting** → **Built-in EPM Setting**.

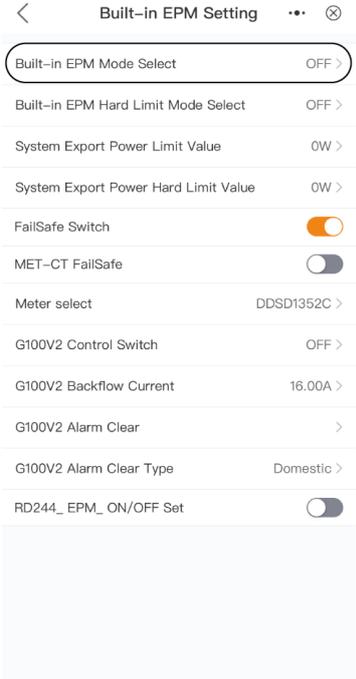


(a) Click 'EPM Setting'.

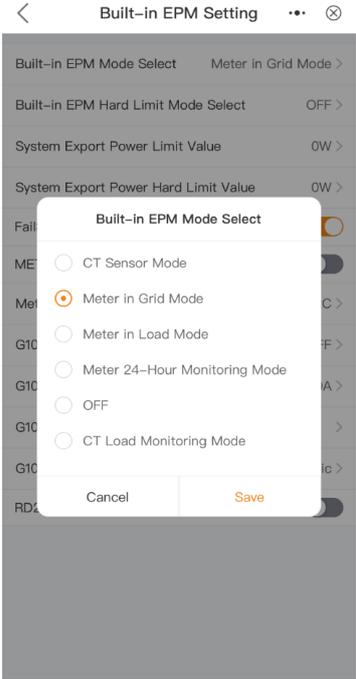
(b) Click 'Built-in EPM Setting'.

Figure 9: Navigation to Built in EPM Settings

As illustrated in Figures 10a and 10b: Click **Built-in EPM Mode Select**.
Now select *Meter in Grid*. Once complete, click **Save**.



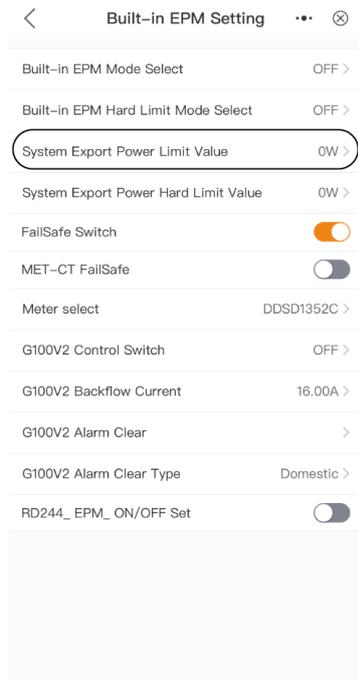
(a) Click 'Built-in EPM Mode Select'.



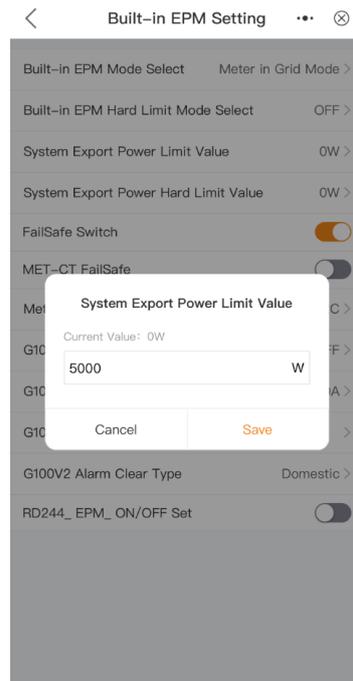
(b) Select 'Meter in Grid Mode'

Figure 10: Setup to Meter in Grid Mode

As illustrated in Figures 11a and 11b: Click **System Export Power Limit Export**.
Now, enter your site's export power limit value. Although often 5000 W, this should be confirmed with your utility company and the installer.
Once complete, click **Save**.



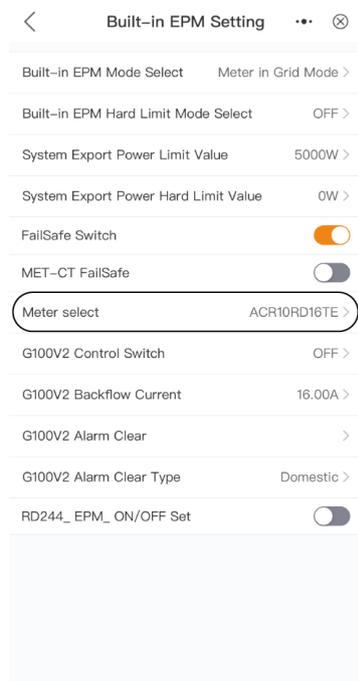
(a) Click 'System Export Power Limit Value'.



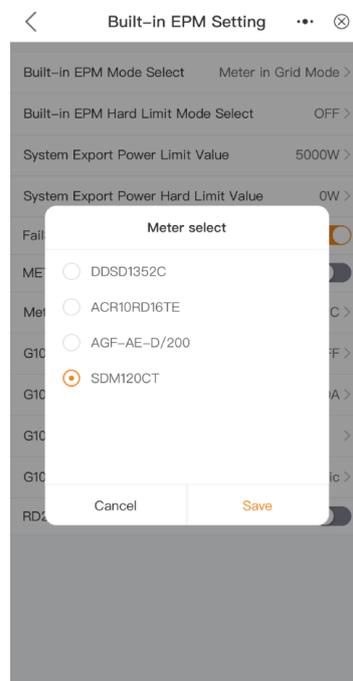
(b) Enter your site's export power limit value (in Watts).

Figure 11: Setting your site's system export power limit.

As illustrated in Figures 12a and 12b: Click **Meter Select**.
Now, select the meter relevant to your site's installation setup.



(a) Click 'Meter Select'



(b) Select the option that matches the site installed meter.

Figure 12: Selecting the relevant meter for your site.

3 Setup Complete

You have now commissioned your new inverter system.