Quick Commissioning guide for Sungrow CX series inverters via EyeM4 dongle

Disclaimer

The material in this document has been prepared by Sungrow Australia Group Pty. Ltd. ABN 76 168 258 679 and is intended as a guideline to assist solar installers for troubleshooting. It is not a statement or advice on any of the Electrical or Solar Industry standards or guidelines. Please observe all OH&S regulations when working on Sungrow equipment.

The following document is intended as a guide to commissioning the Sungrow CX series inverters. It is assumed that all the hardware and wiring is in place.

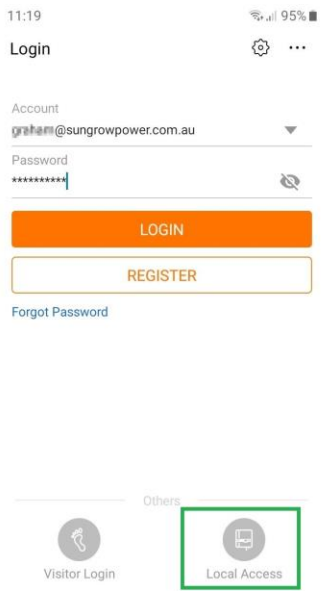
Step1 – Initialising the inverter

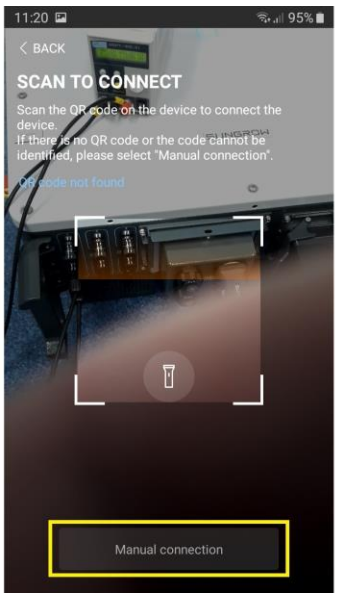
This is done by using a smart phone or tablet.

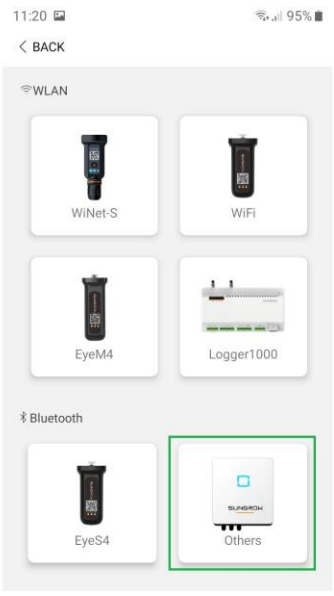
Open the iSolarCloud App and tap the ‘Local Access’ icon on the bottom left

Tap ‘Manual Connection’

Select ‘Others





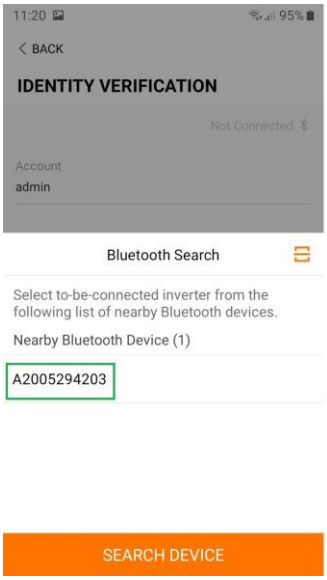


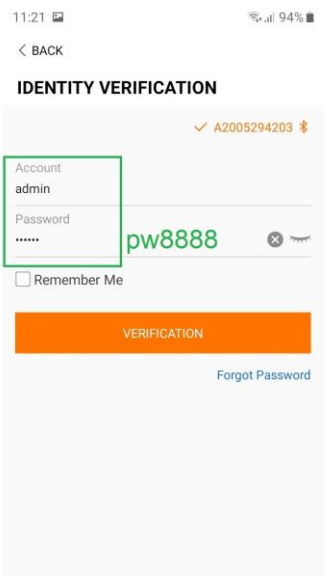
The App will scan for nearby inverters

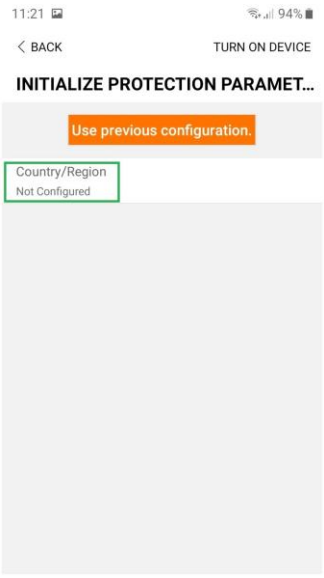
When you see the serial number, tap it

Log in as “admin” and password is pw8888

Tap ‘Country/Region’

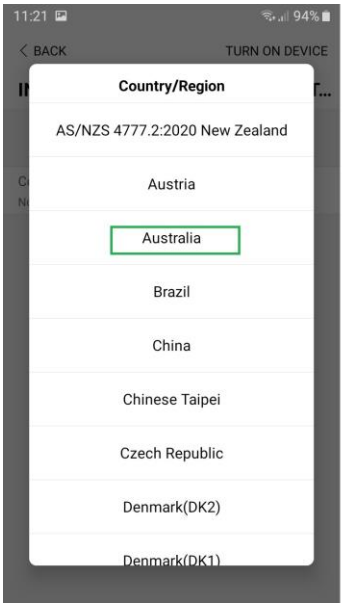


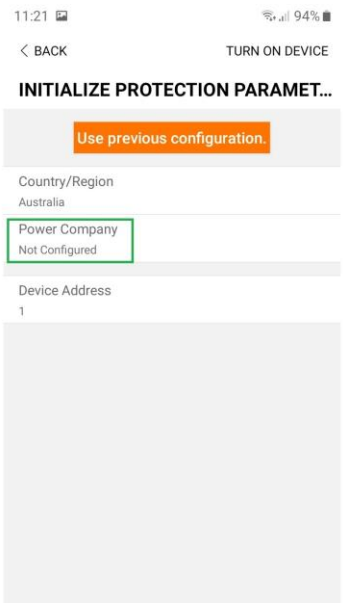


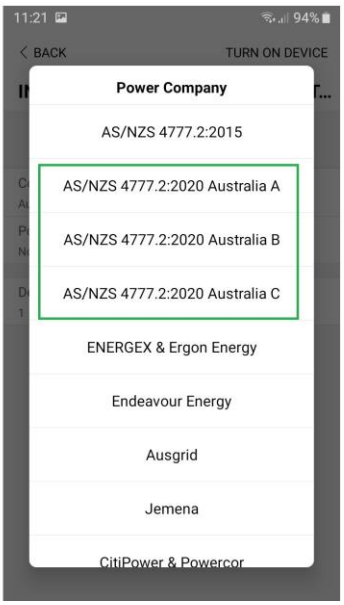


Select Australia (or New Zealand)

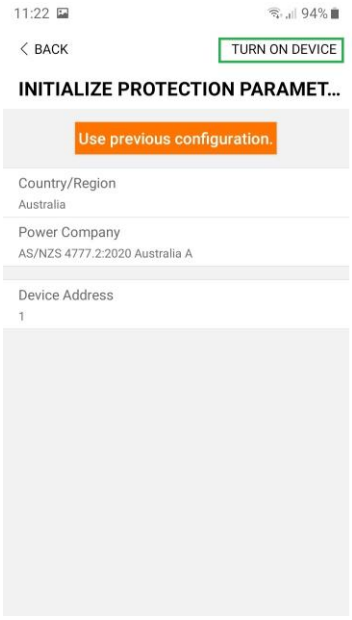
For power company, select the appropriate for your location

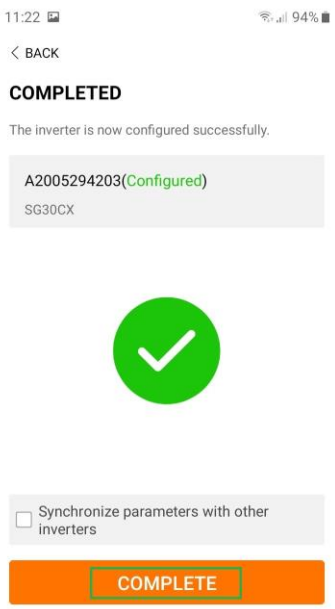






Tap “Turn On Device” icon top right corner. The inverter will go through it’s initialisation and start-up. Tis could take a couple of minutes. The App will confirm configuration and the inverter will switch on



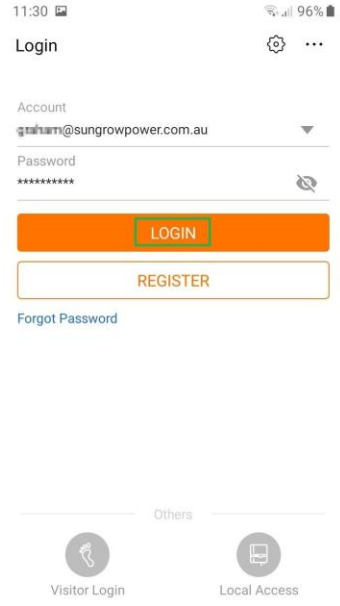


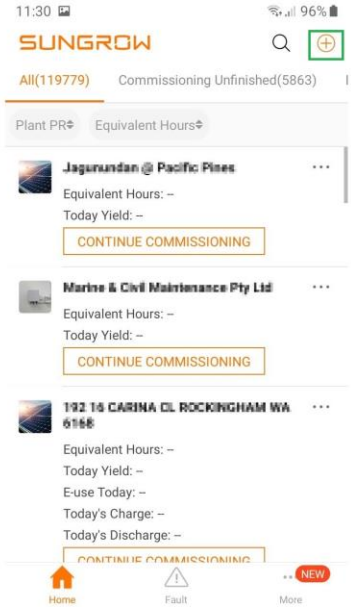
Step 2 – Create a plant on iSolarCloud

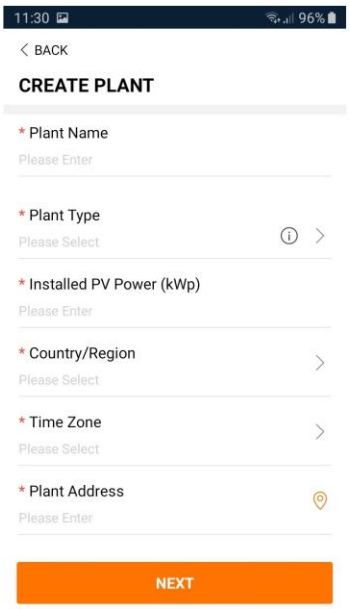
After you have logged out of the Bluetooth connection, log in to your iSolarCloud account as normal

Tap the orange + icon top right corner

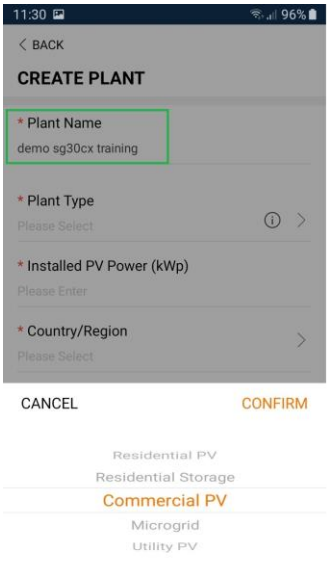
Populate all of the fields with correct information

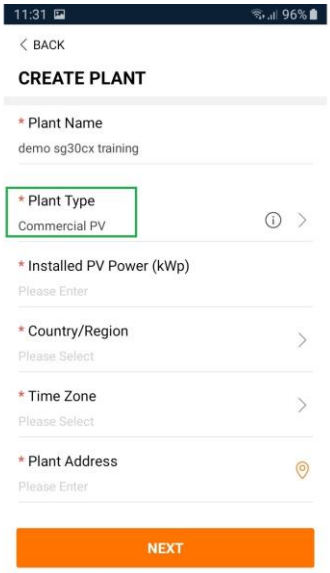


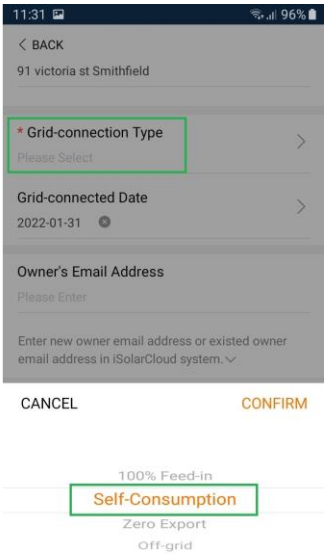




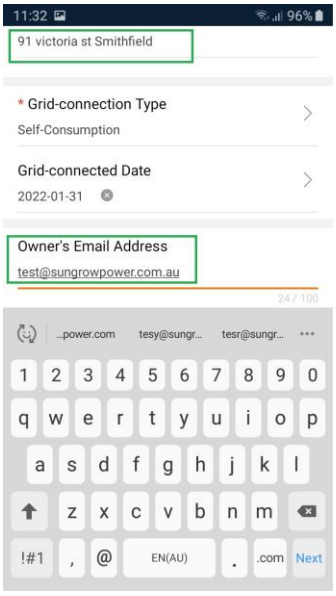
Ensure to select the correct plant type and consumption type, as this affects the iSolarCloud display

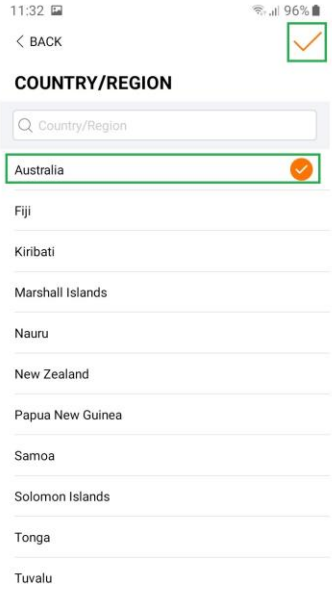


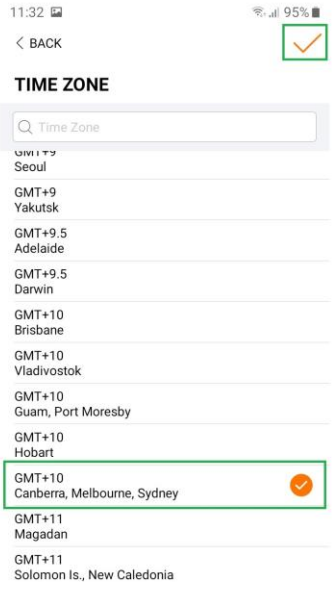




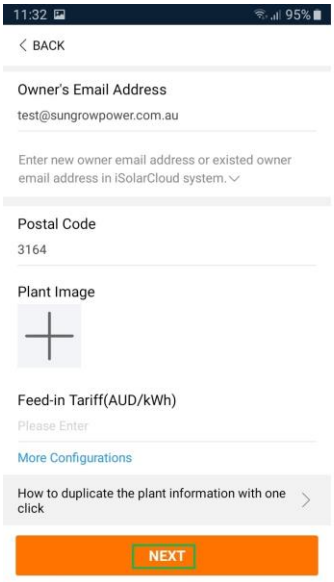
Ensure correct region and time zone

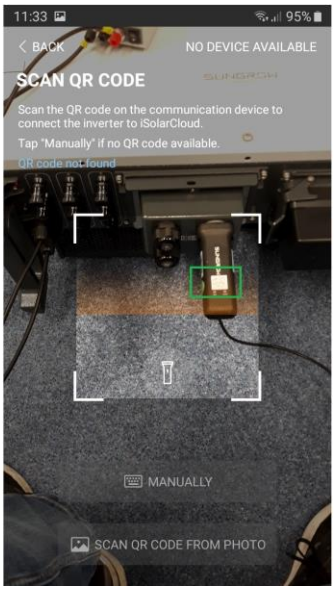


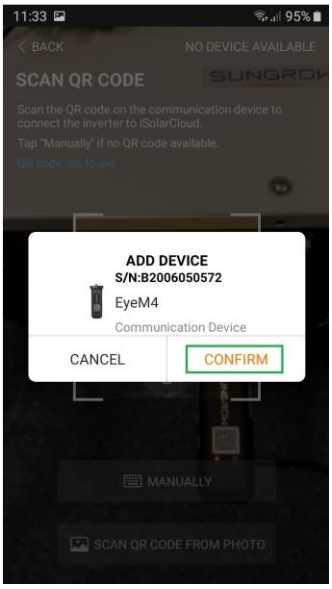




Click “Next” then scan the dongle QR code and confirm





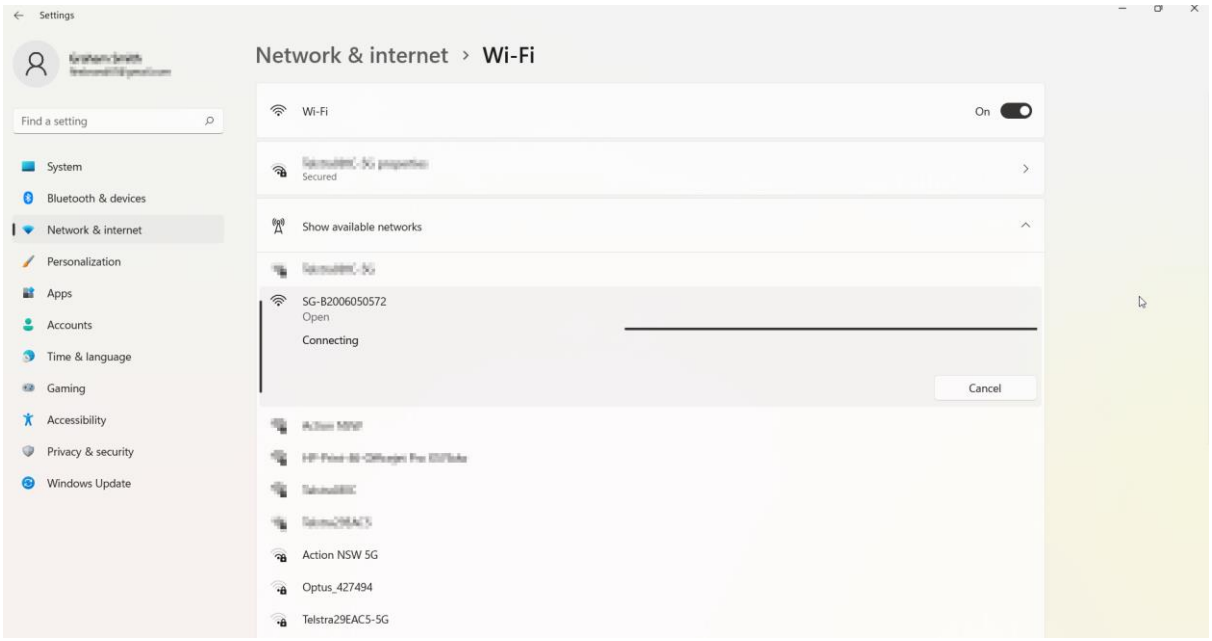


The plant will be created, and you now commission the dongle (for Logger1000 instructions, please refer to the Logger1000 documentation)

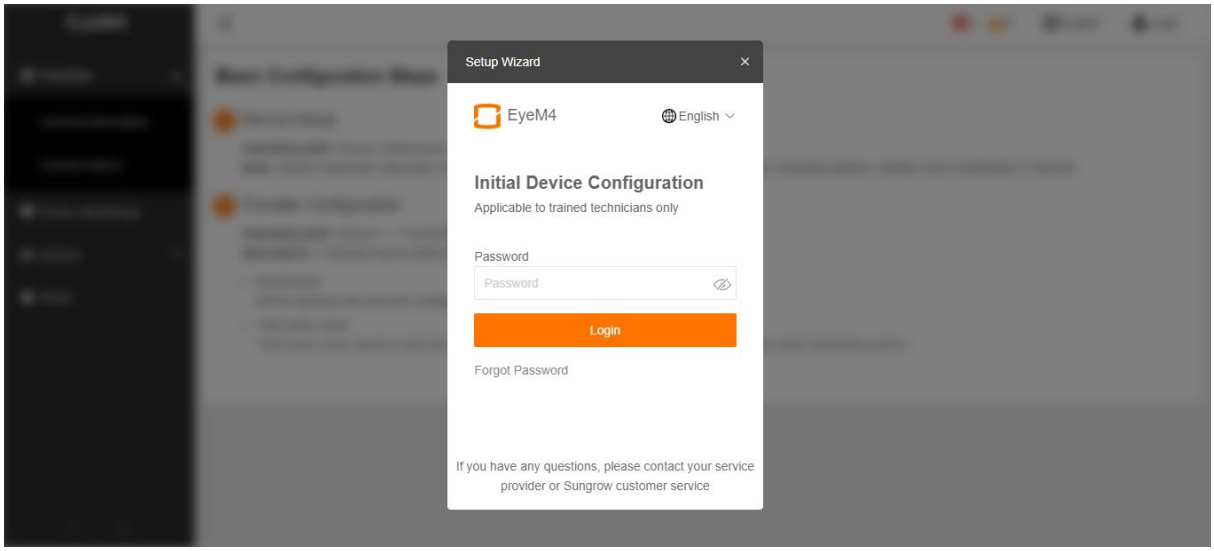
Step 3 – Commission the EyeM4 Dongle

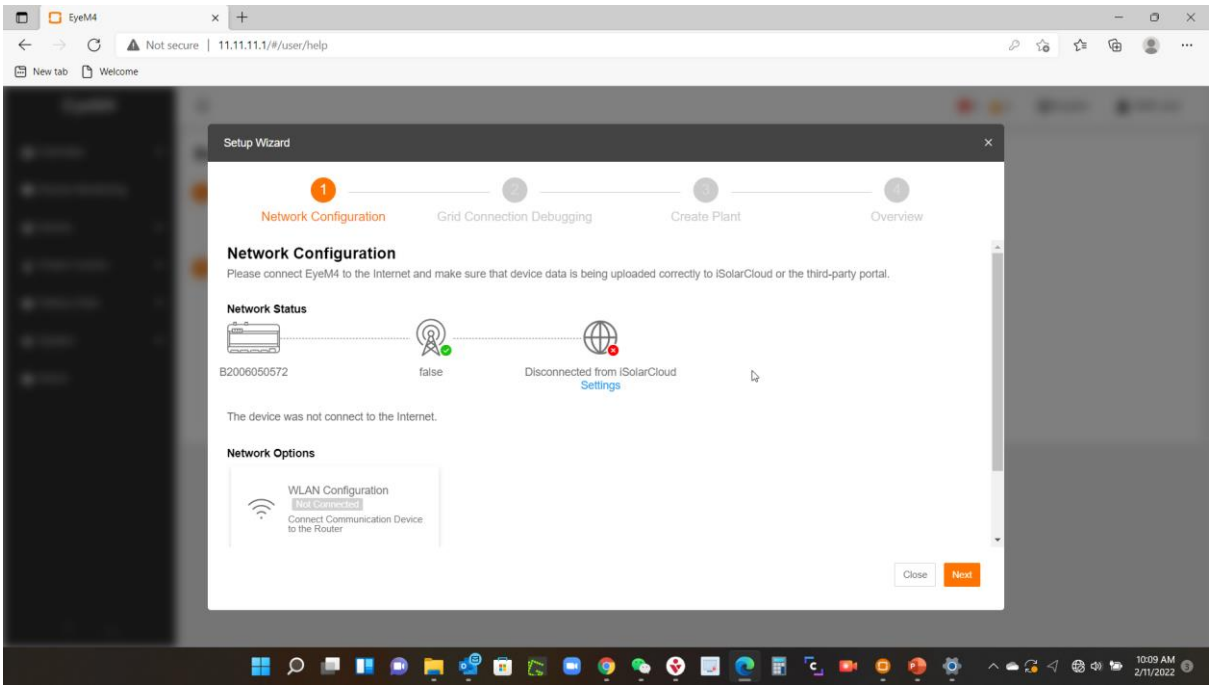
It is best to use a laptop to commission the dongle

Go to your settings and scan for WiFi networks. Connect to the SG-********** network (the serial number is the password)

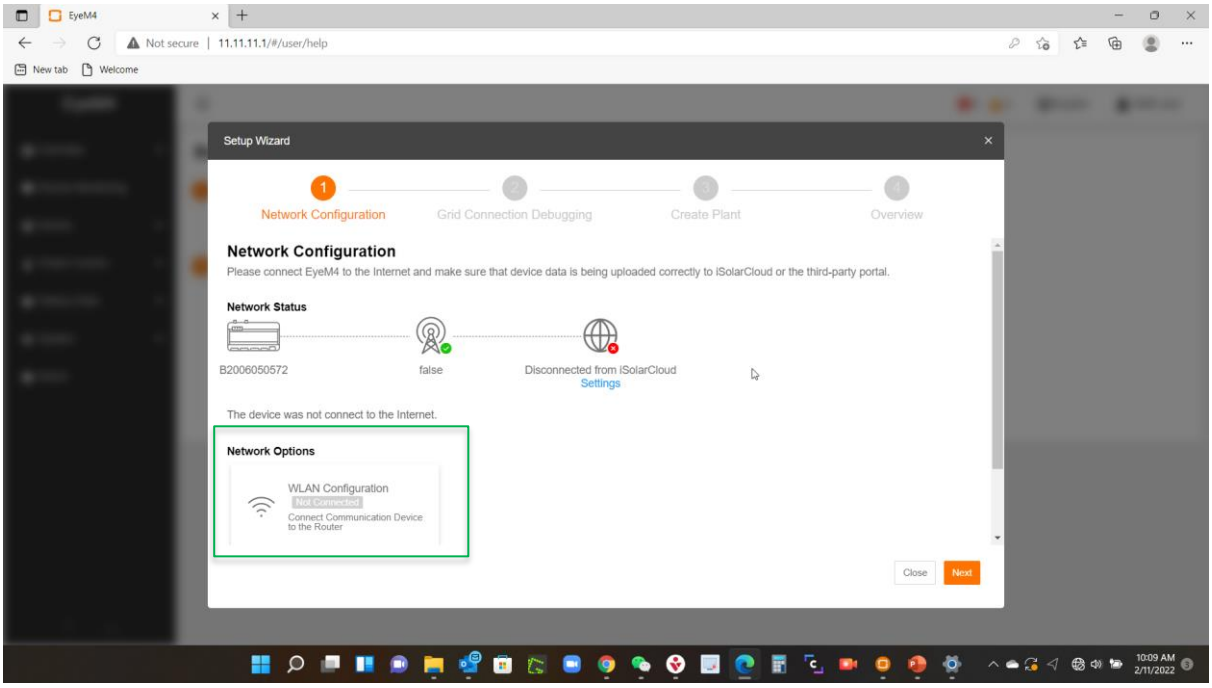


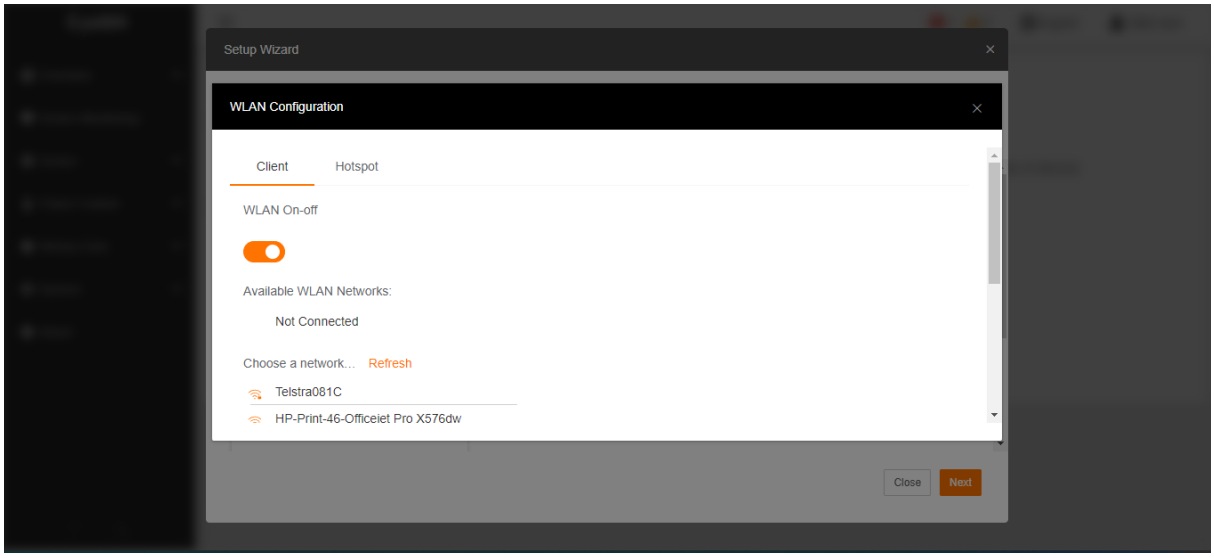
Open any browser and type 11.11.11.1 into the address bar. This will take you to the login screen. The password is pw1111



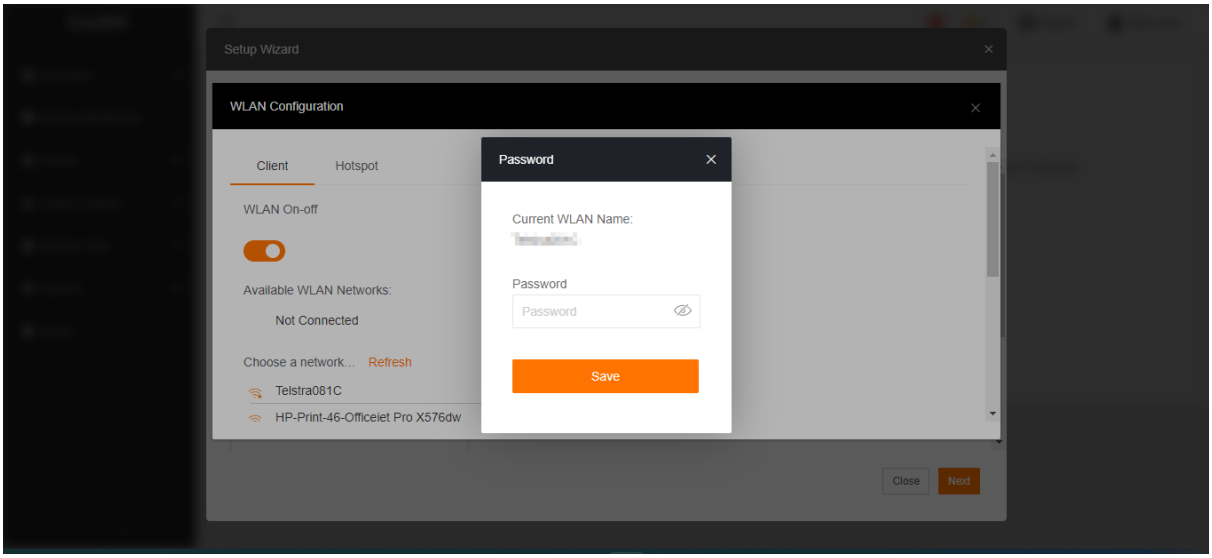


To set the WiFi connection, select “network options, switch on the WiFi, and scan for networks

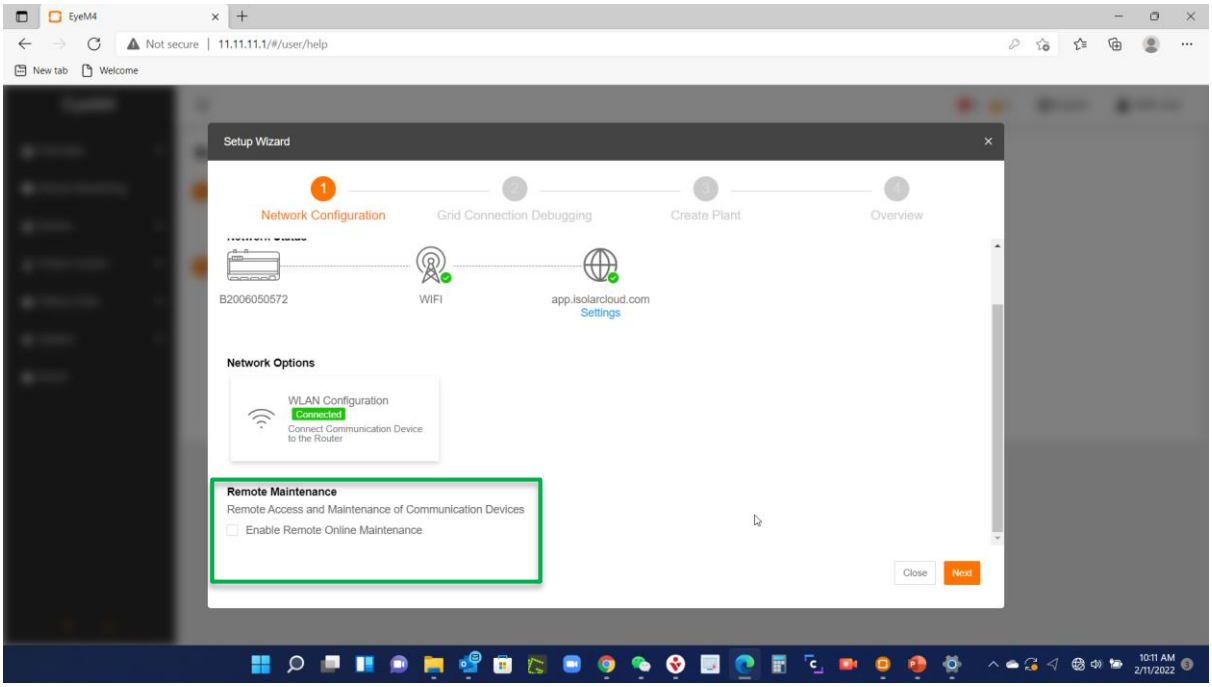




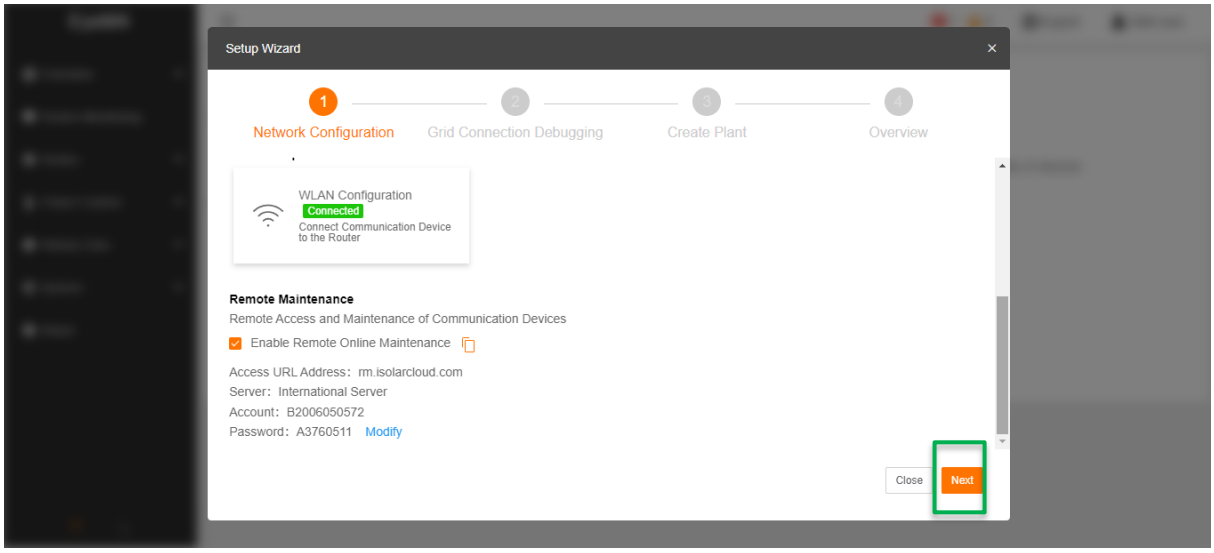
Select the customer's WiFi network and enter the password



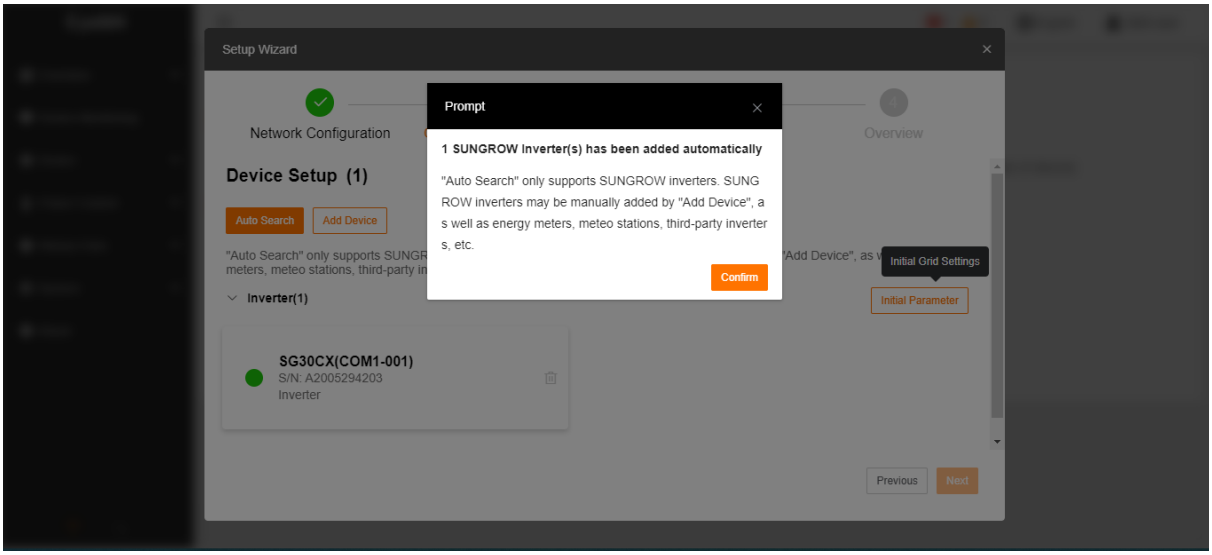
Scroll down and check the ‘Remote Maintenance’ box



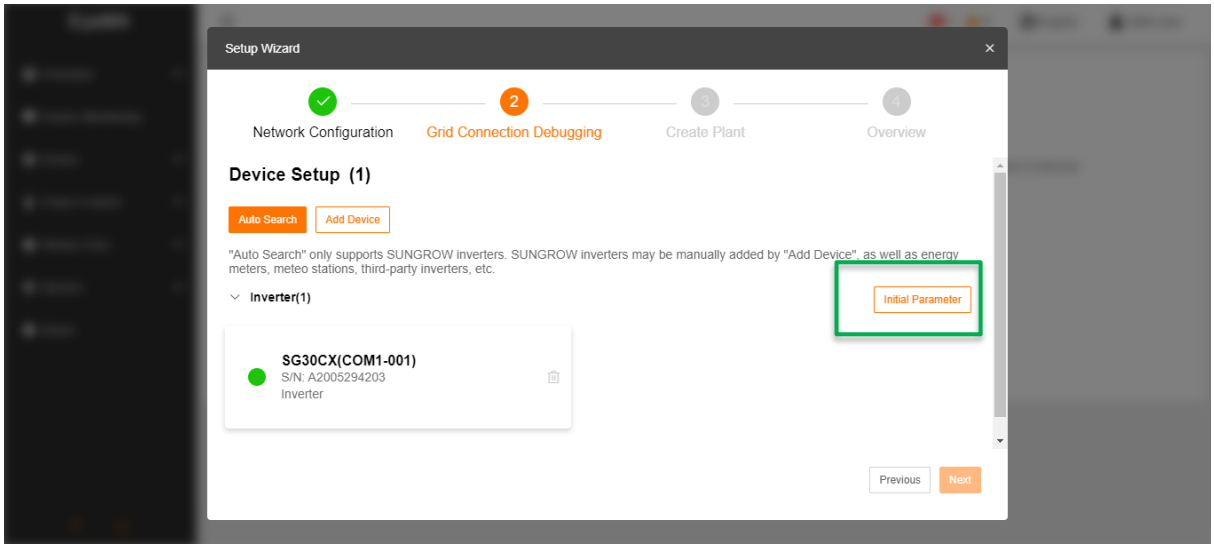
Click ‘NEXT’



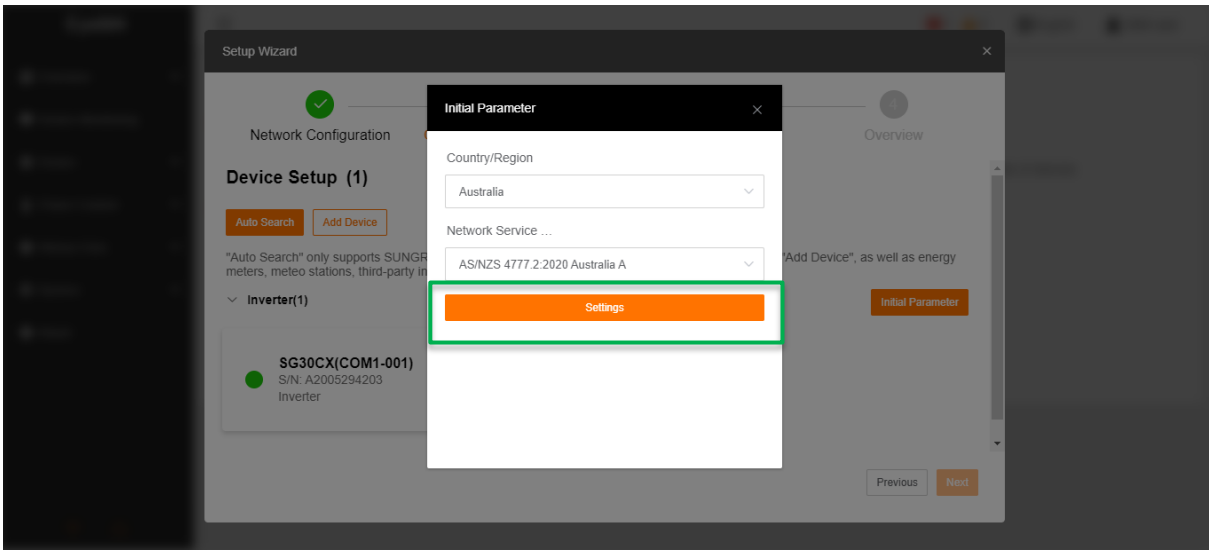
The dongle will automatically scan for connected inverters (RS485). Confirm

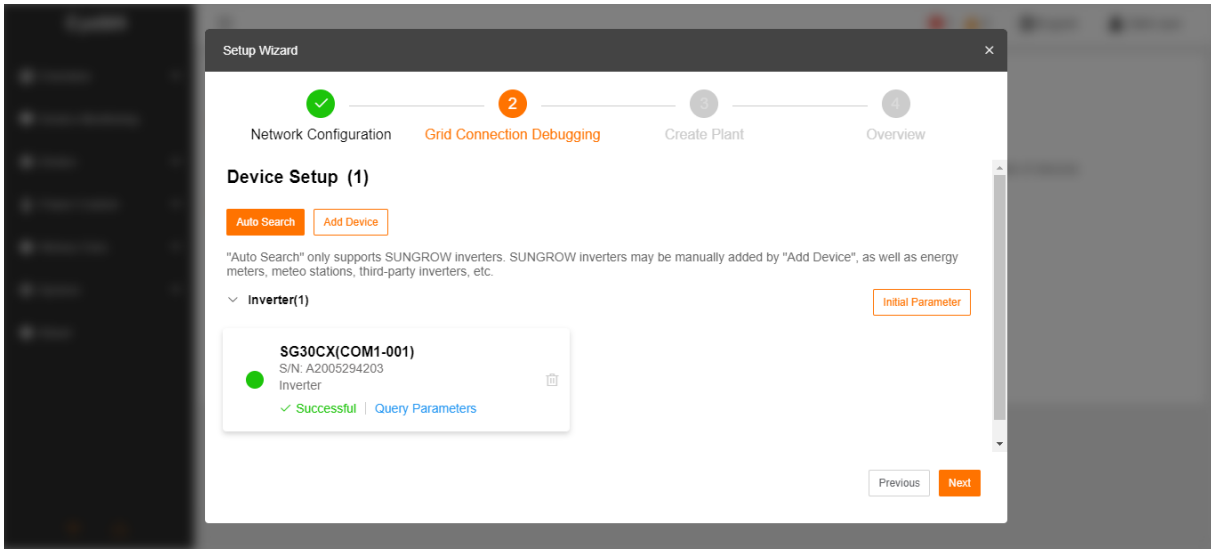


Ensure all inverters are connected and click on the “Initial Parameters” box

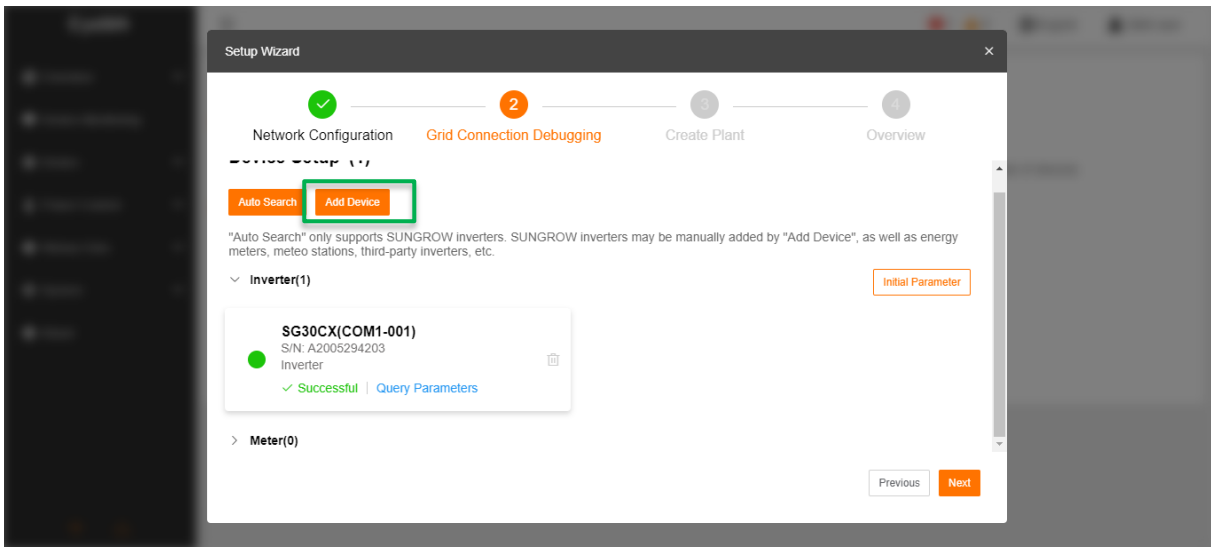


Click “Settings” in the pop-up box and check the result

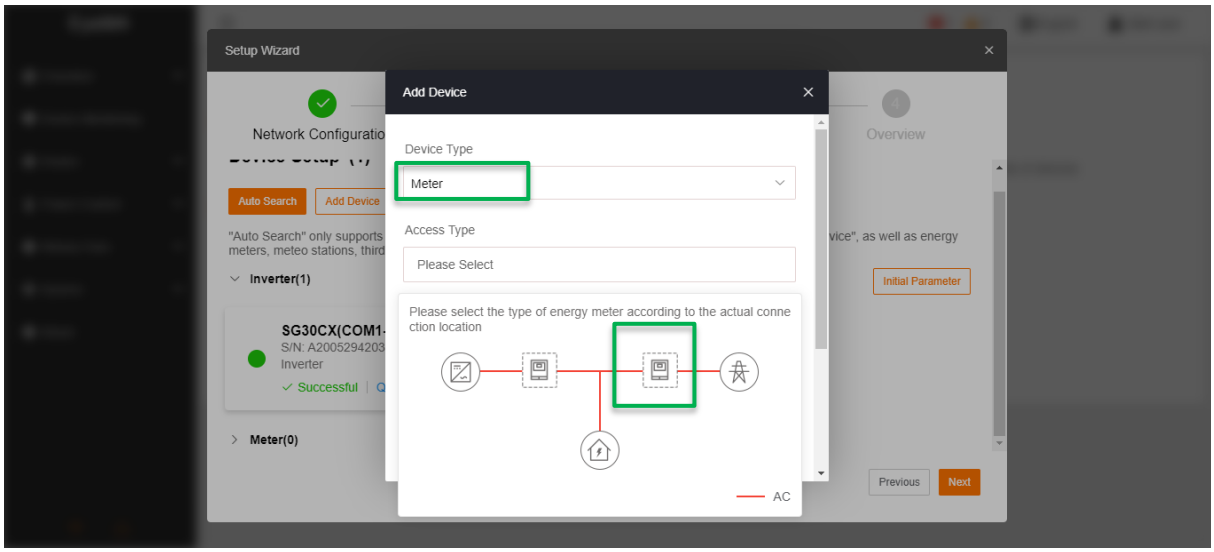


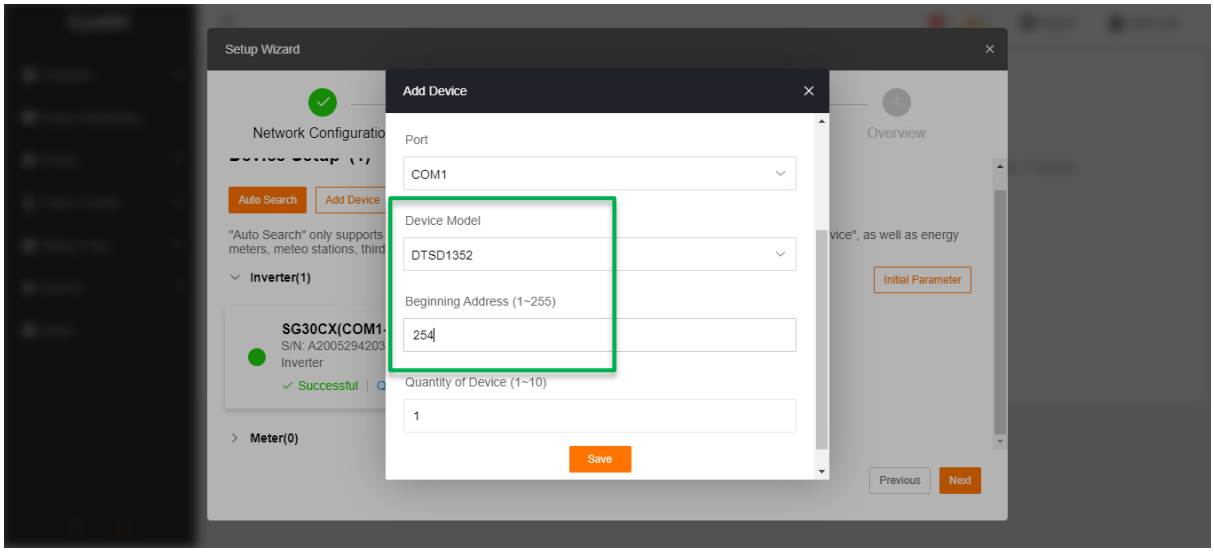


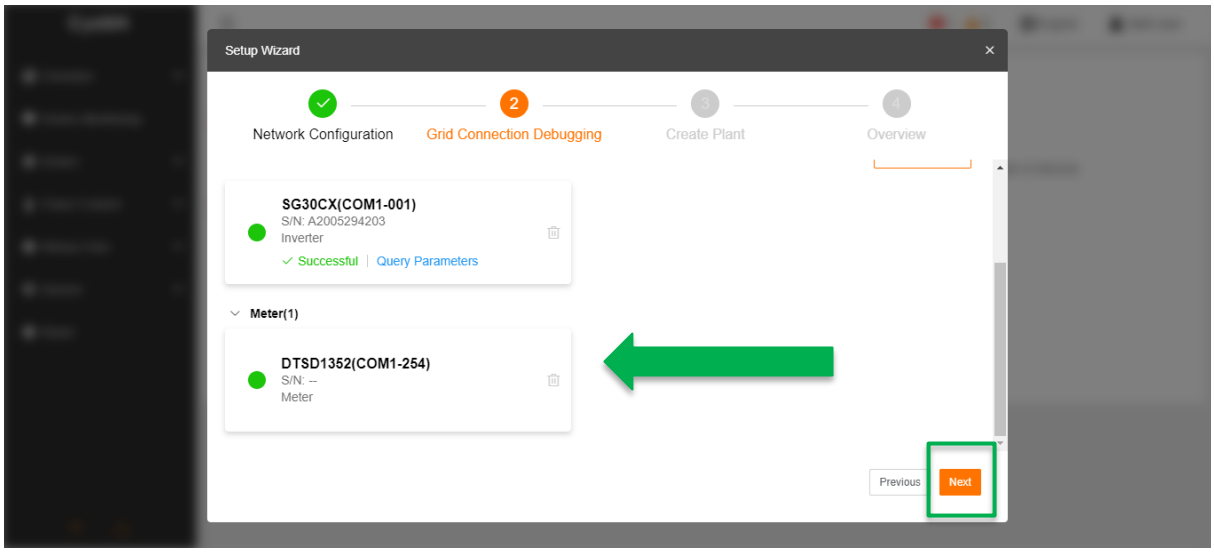
If there is a meter connected, click the “Add Device” box



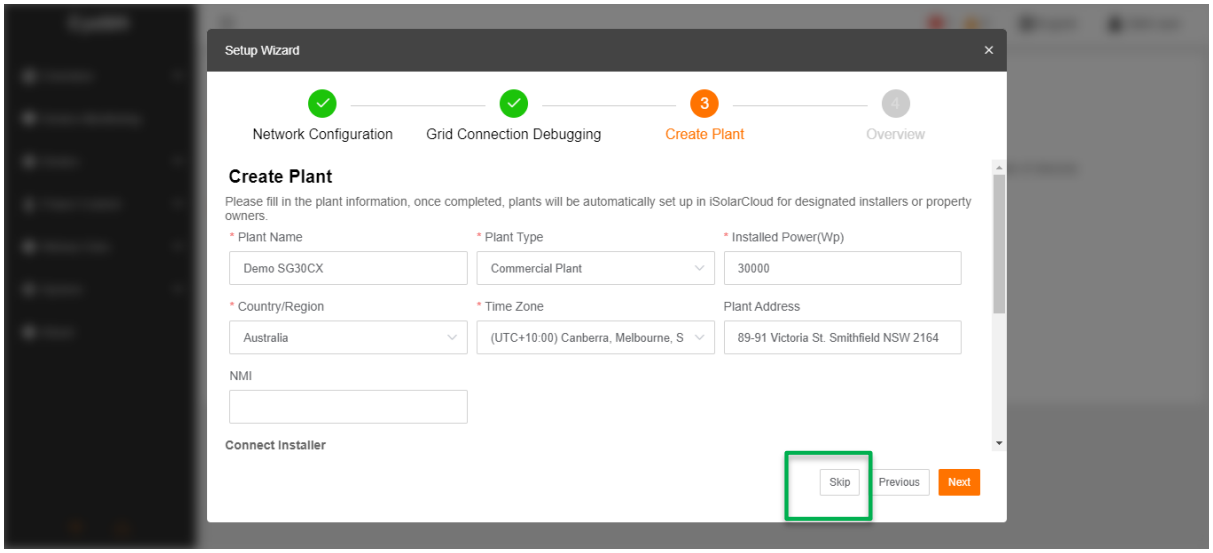
Select as appropriate for the meter from the drop-down boxes, and check that it has connected (RS485). Then click ‘Next’



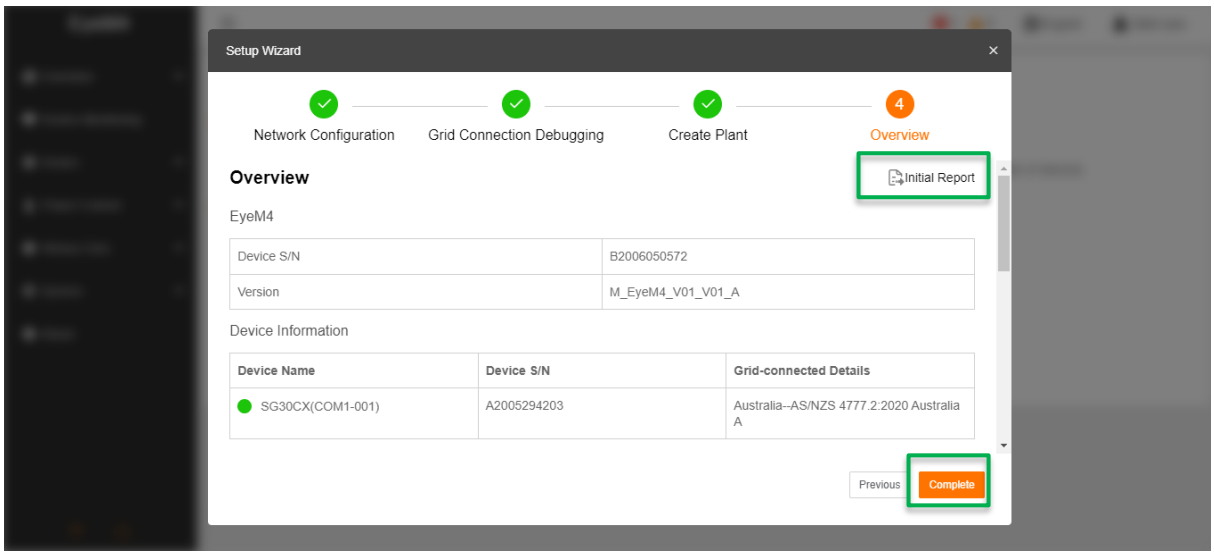


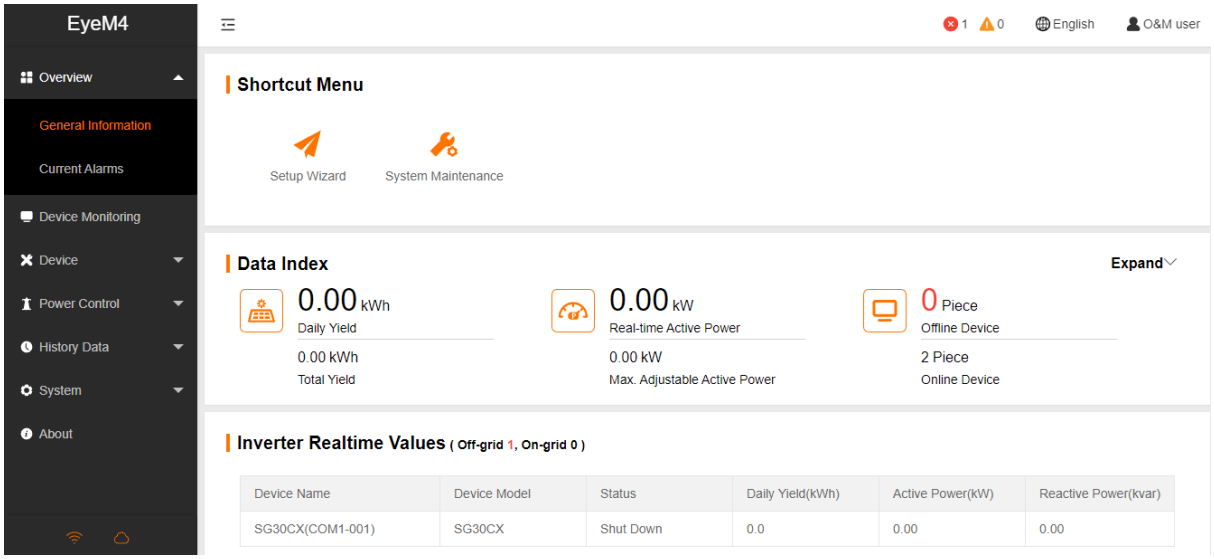


The plant has already been created on iSolarCloud. Select “SKIP”



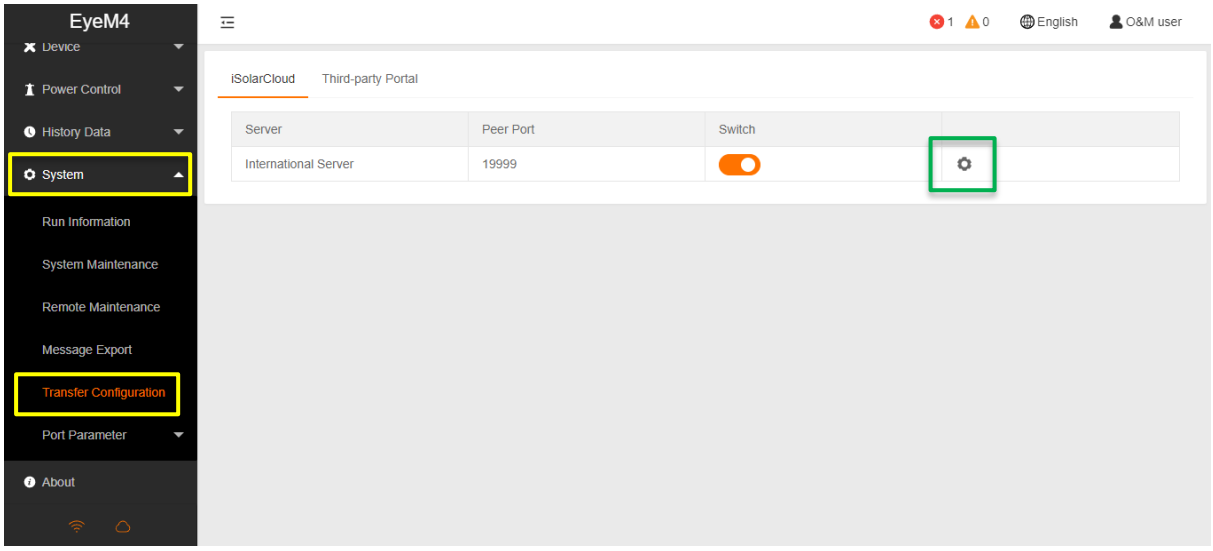
The overview can be downloaded. Then click “Complete”



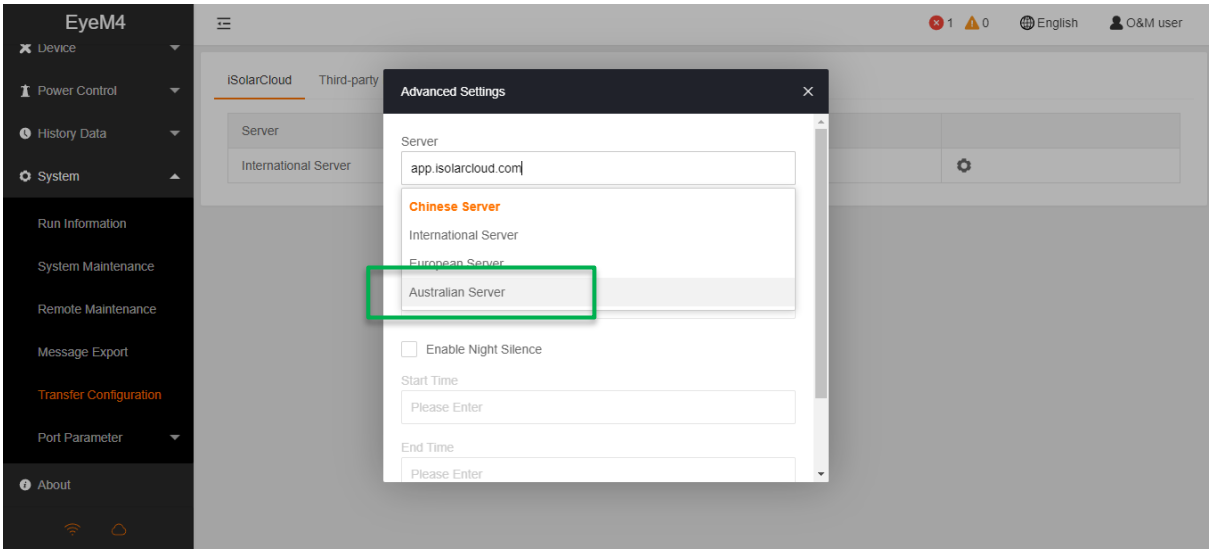


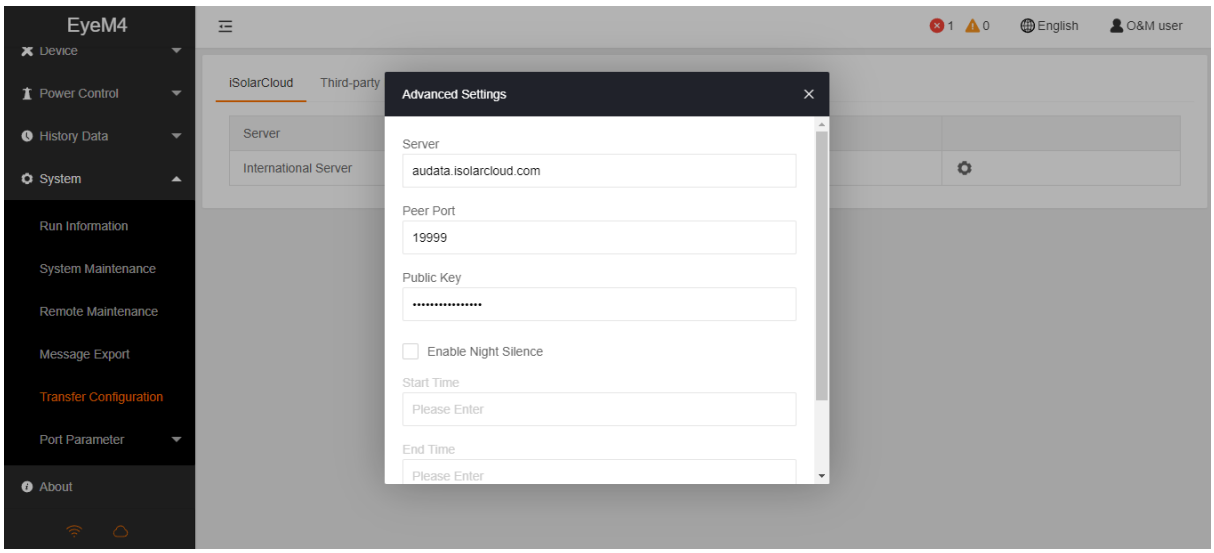
There are a couple of more steps.

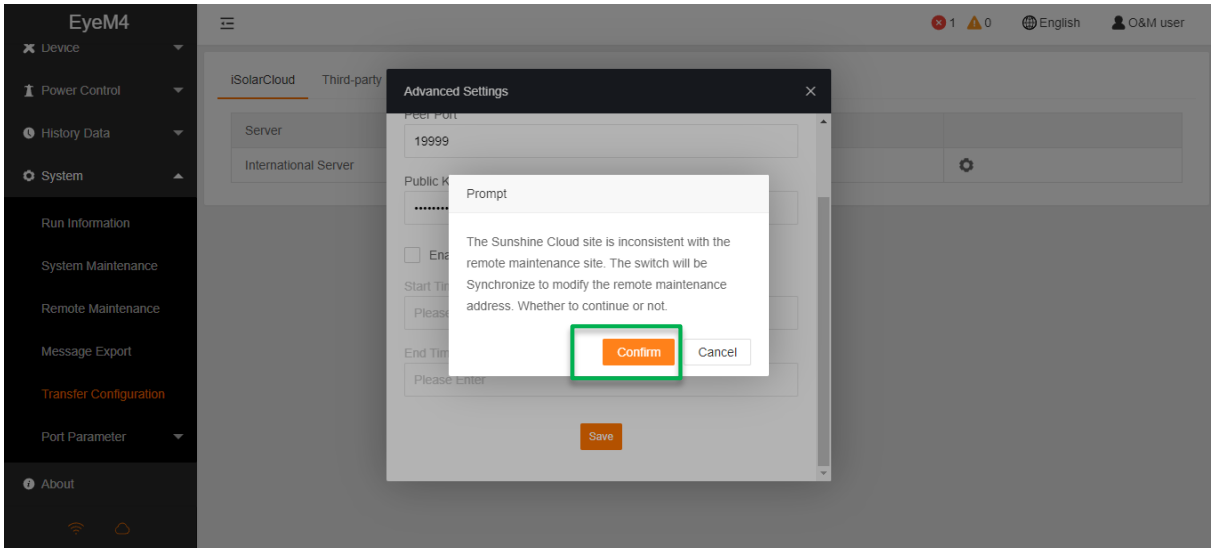
Set the server to “Australia” by selecting ***System/Transfer Configuration***, and then the settings gearwheel

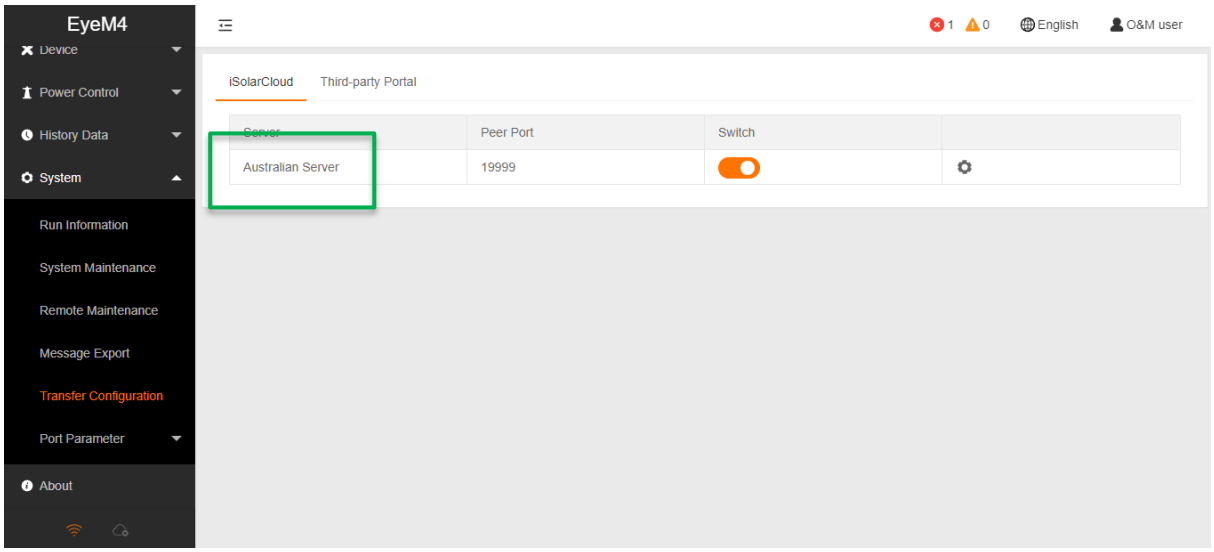


From the drop-down box, select “Australian Server and confirm

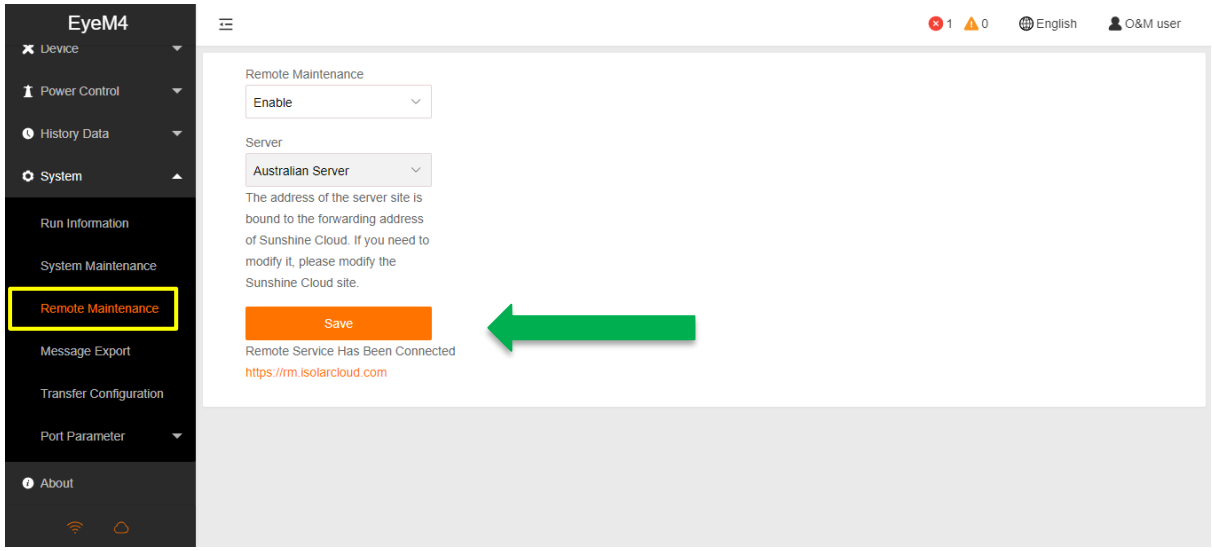




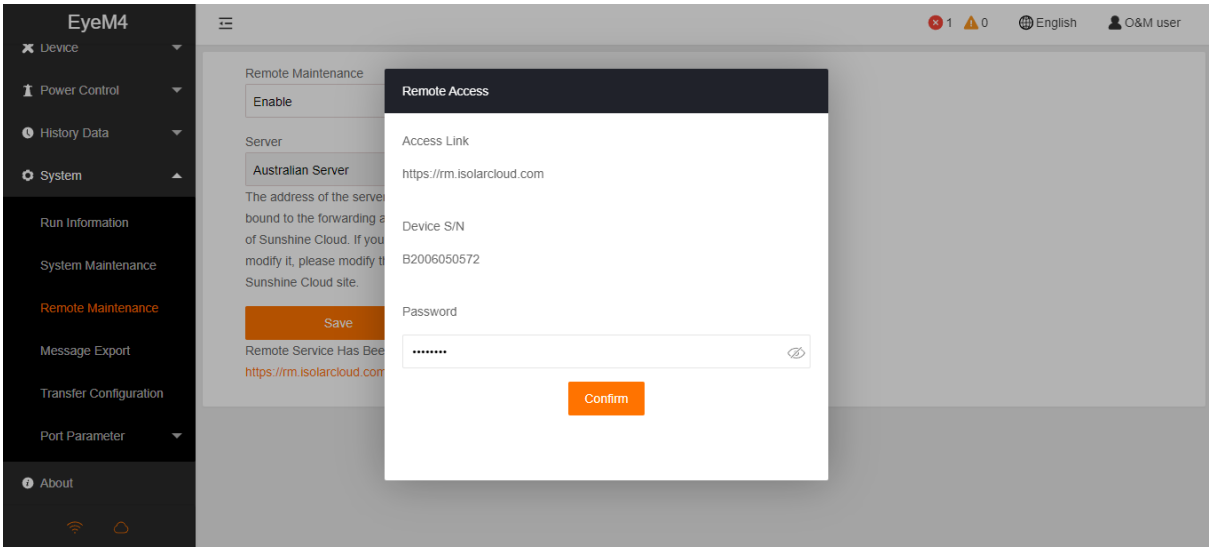


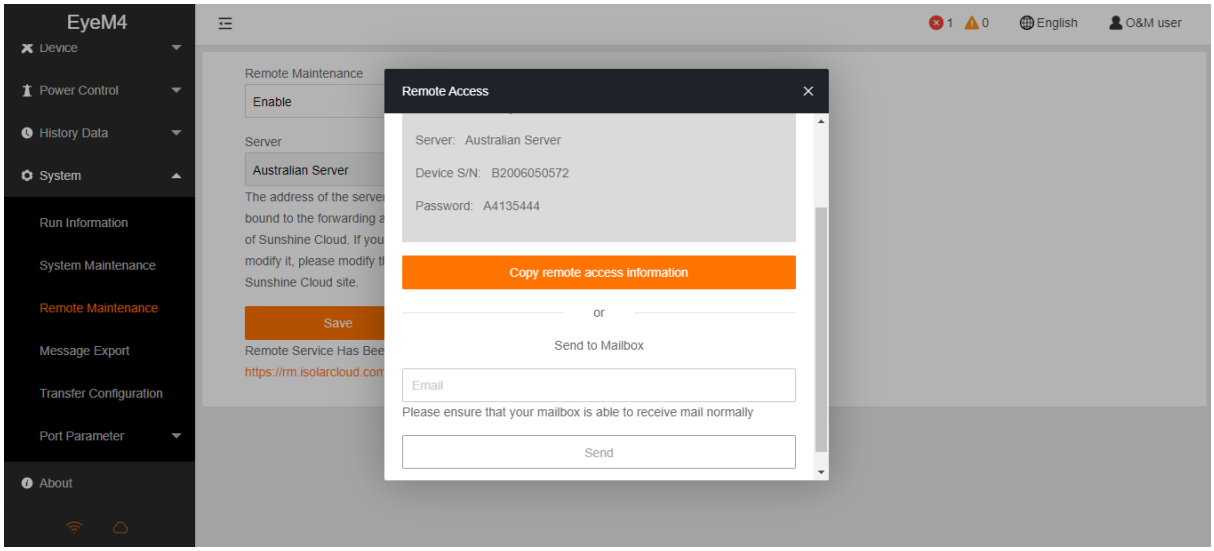


Go to “Remote Maintenance, confirm and save



Confirm and then copy password info

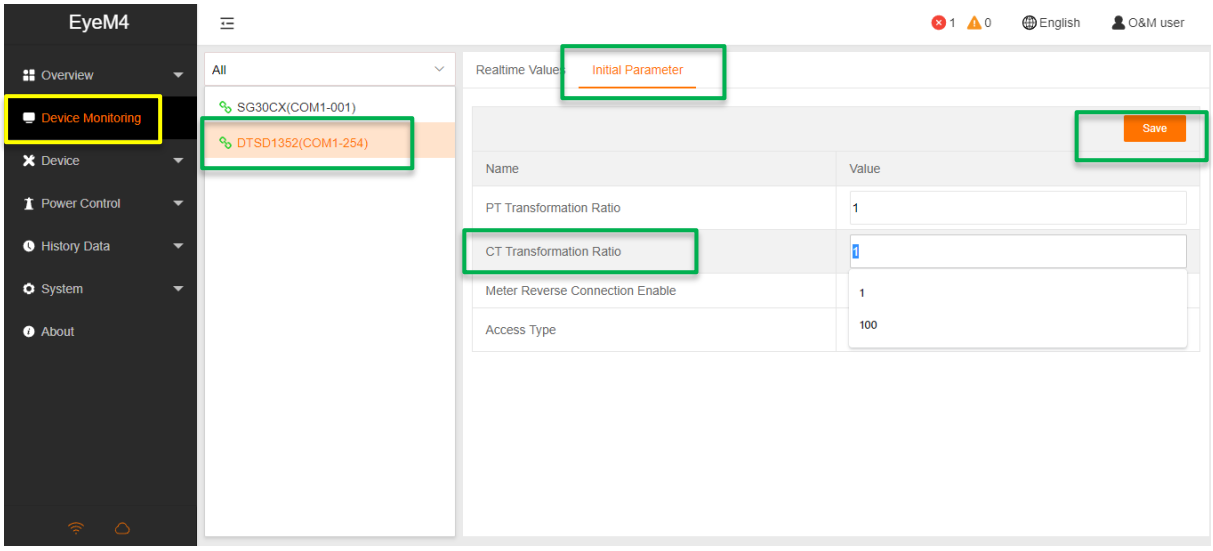




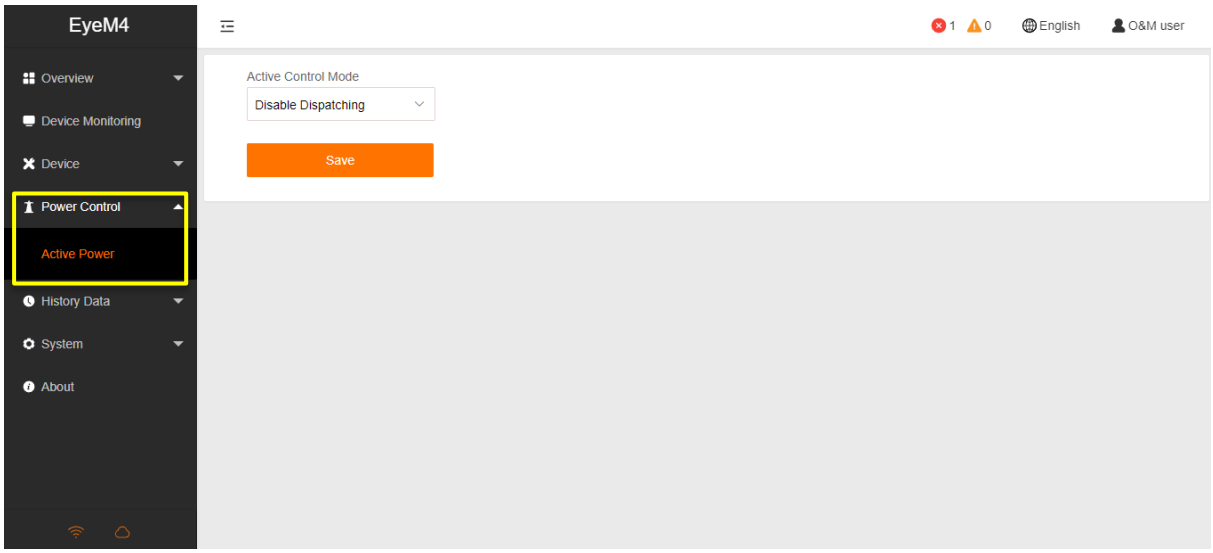
Step 4 setting the CT ratio and export control

Go to “Device Monitoring”, then select the meter, and open the ‘Initial parameter’ tab and enter the correct CT ration i.e. 100/5 = 20

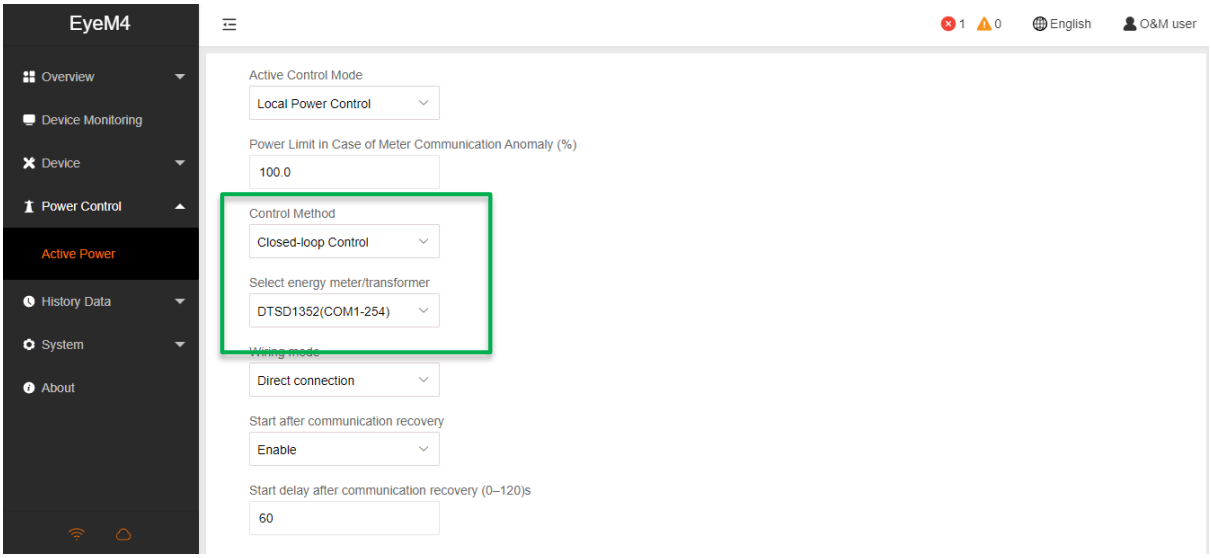
Save



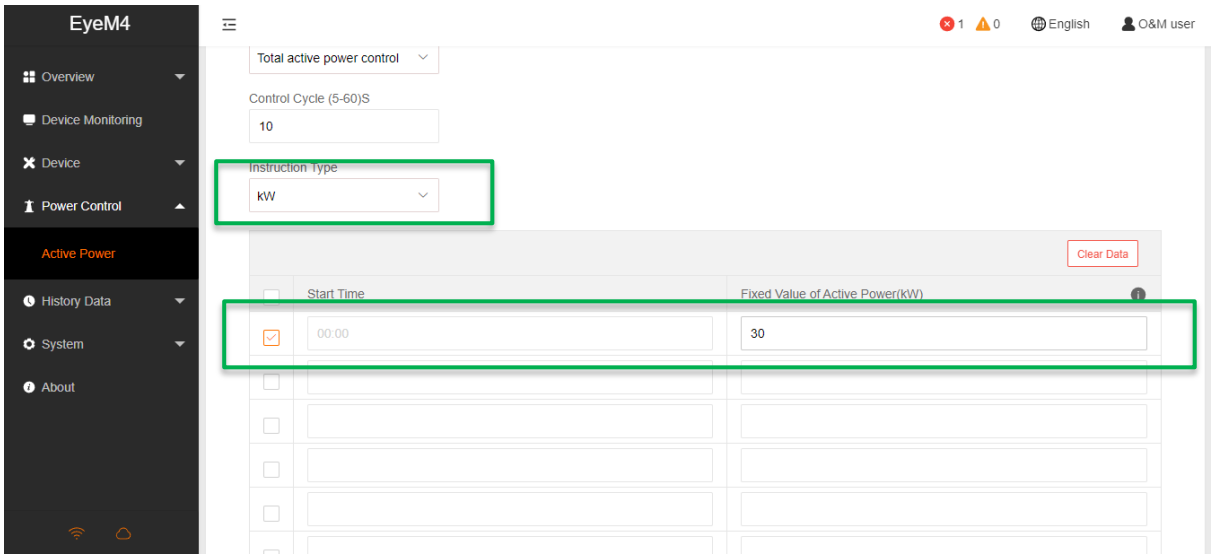
To set the export control. Select **"Power Control/Active Power"** and select "Local Power Control" from the drop-down box



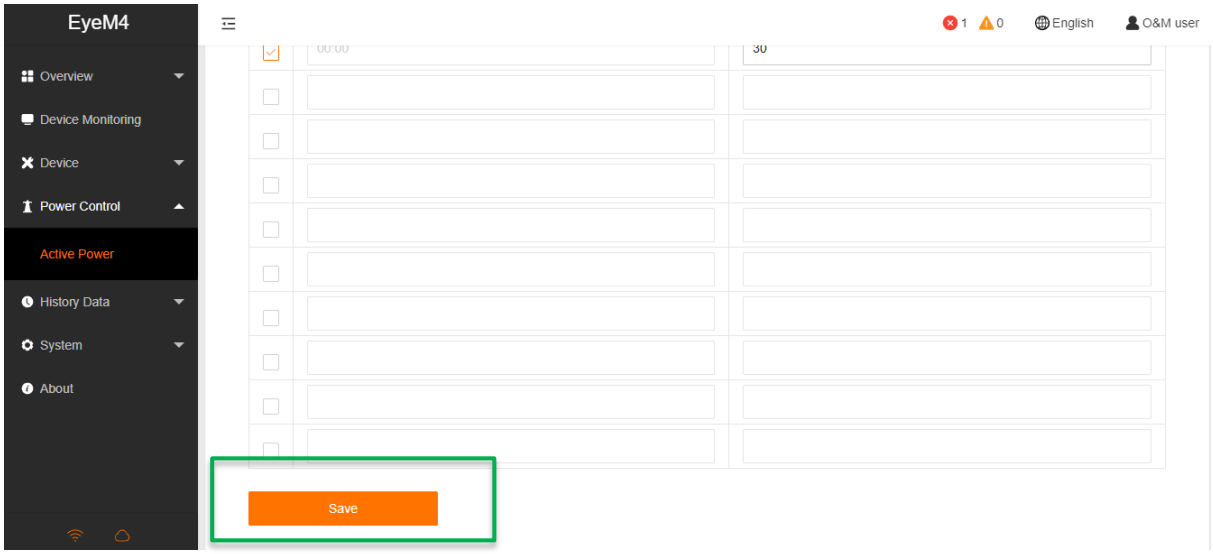
Select "Closed-Loop Control and the meter type



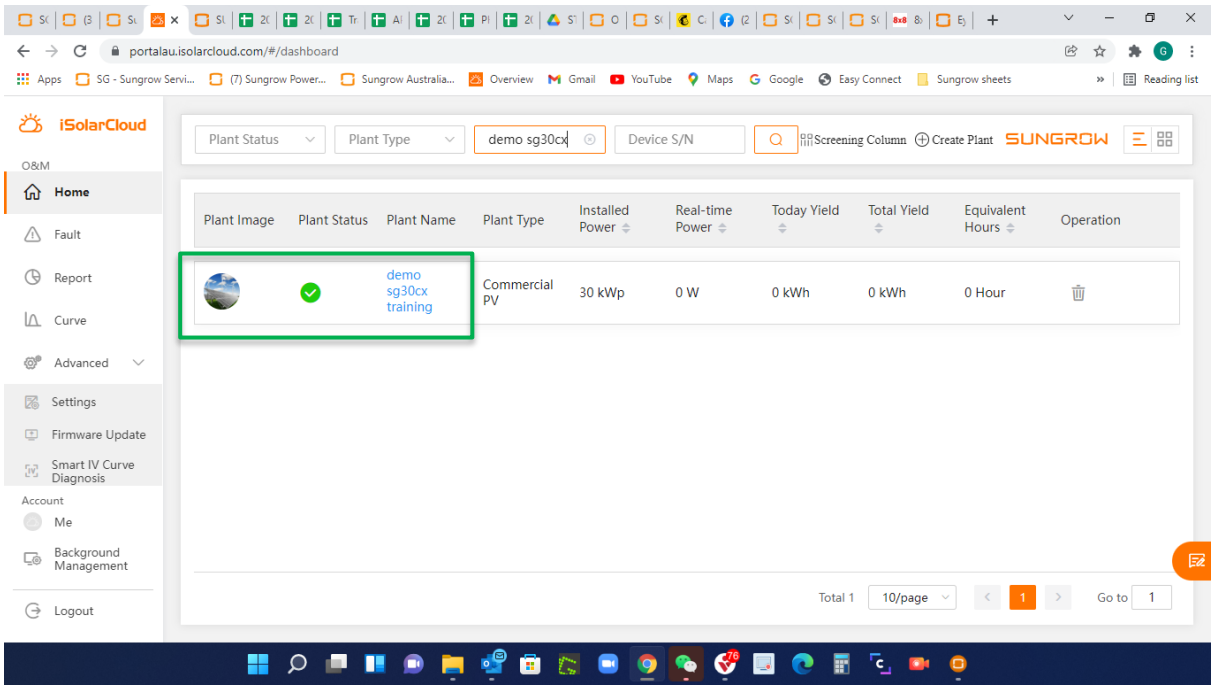
Scroll down and select “kW” from the ‘Instruction Type’ and enter the export value.



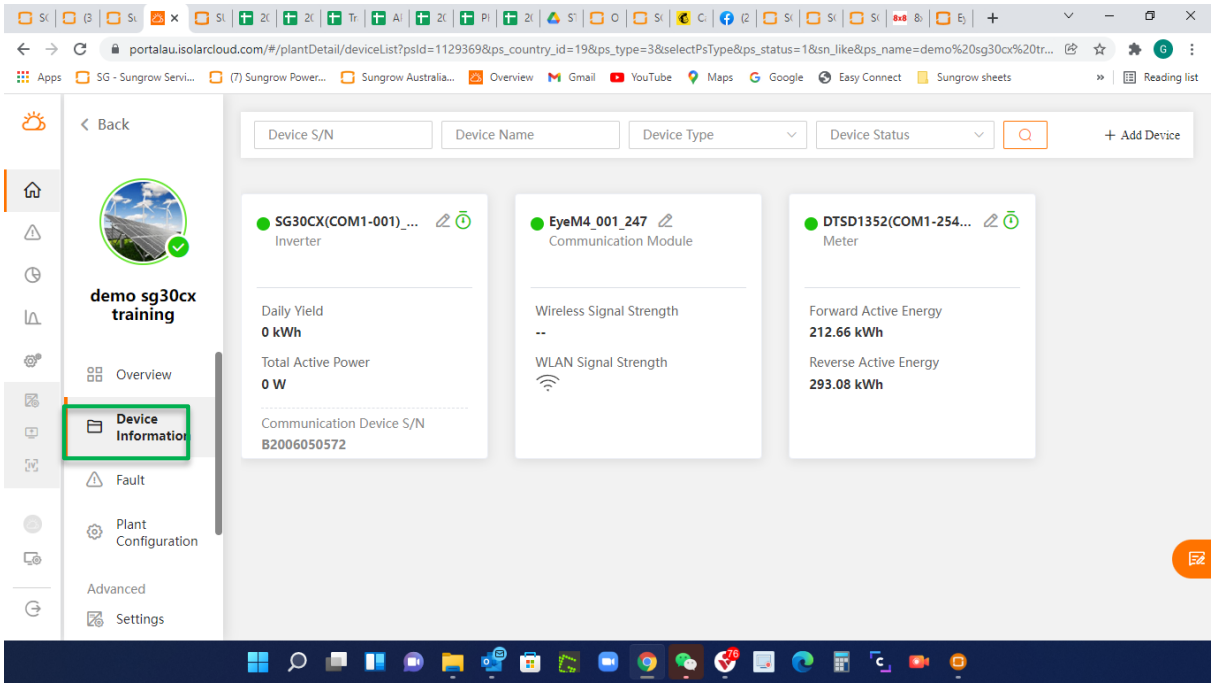
Scroll down and SAVE



The basic commissioning is now complete. Log into your iSolarCloud account and check to see if the plant is online



Open the plant, and select “Device Information” and check that you can see all inverters/meters



If the issue persists after following above procedures, please take photos testing on site and contact Sungrow Service Department on 1800 786 476 or email to service@sungrowpower.com.au, Monday- Friday 9am - 5pm (AEDT).