### SG30/50/110CX Inverters Commission Complete Guide (with Logger1000 and EyeM4)

#### 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.

| Version | Revision History    | Created by      | Date                      |
|---------|---------------------|-----------------|---------------------------|
| 1.0     | Draft version       | AU Service Team | 24 <sup>th</sup> Dec 2020 |
| 1.1     | Issued for Approval | AU Service Team | 19 <sup>th</sup> Feb 2021 |
| 1.2     | Issued for Approval | AU Service Team | 28 <sup>th</sup> Jul 2021 |
| 2.0     | Issued for Approval | AU Service Team | 14 <sup>th</sup> Feb 2022 |

This document only applies to Sungrow Power commercial three-phase inverters (SG30CX, SG50CX and SG110CX) with Logger1000 or EyeM4. The information in this document may contain predictive statements including, without limitation, statements regarding the future financial and operating results, future product portfolio, new technology, etc. There are several factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. Sungrow Power may change the information at any time without notice.

This guide includes the new EyeM4/Logger1000 Interface.

### Contents

| 1 | I   | ntroduction                                | 3  |
|---|-----|--|----|
| 2 | F   | RS485 Connections                          | 4  |
|   | 2.1 | Inverter Connection (Daisy Chain)          | 5  |
|   | 2.2 | 2 Energy Meter Connection                  | 6  |
|   | 2.3 | B Connection to Logger1000                 | 8  |
|   | 2.4 | Connection if using an EyeM4 dongle        | 8  |
| 3 | l   | nitialise the inverter(s):                 | 10 |
| 4 | C   | Create a plant on iSolarCloud:             | 12 |
| 5 | C   | Commission the EyeM4 Dongle                | 14 |
| 6 | S   | Setting the CT ratio and export control    | 26 |
| 7 | C   | Check the plant on iSolarCloud:            | 28 |
|   | Apj | pendix 1 Set local time (Logger1000 only): | 29 |
|   | Ар  | pendix 2 Enable the meter RS485            | 30 |

### 1 Introduction

This quick guide is showing how to commission the SG30/50/110CX inverters and it is to be read in conjunction with the Sungrow's User Manuals.

Where more than one inverter, or an energy meter installed, the commissioning and iSolarCloud connection is done via a Logger1000 (Up to 30 devices) or EyeM4 (Up to 10 devices).

For export control and load consumption, an energy meter (DTSD1352-C/1(6)A with external CT) needed to be connected (DTSU666 may be suitable in switchboards up to 80 Amps).

All of the components are connected via daisy-chain as per standard RS485 topology.

Inverters communicate on the A1/B1 (Com1) channel, and meters on the A2/B2 (Com2) channel.

| Procedures   |   | Yes/No |  |  |  |  |
|--------------|---|--------|--|--|--|--|
| RS485        | RS485 communication cables installed correctly between      |        |  |  |  |  |
| connection   | inverters/ inverters to Logger1000/ meter to the logger1000 |        |  |  |  |  |
|              | or the inverter has EyeM4 by terminal blocks?               |        |  |  |  |  |
|              | RS485 communication cables installed correctly between      |        |  |  |  |  |
|              | energy meter DTSD1352-C/1(6)A to Logger1000/ to the         |        |  |  |  |  |
|              | inverter has the EyeM4 by terminal blocks?                  |        |  |  |  |  |
| Logger1000/  | Logger1000/ EyeM4 Setup via WLAN (11.11.11.1;               |        |  |  |  |  |
| EyeM4 web    | password: pw1111)   |        |  |  |  |  |
| portal setup | Set the local time (Logger1000 only)                        |        |  |  |  |  |
|              | Auto search inverters complete                              |        |  |  |  |  |
|              | Add the energy meter and adjust CT Transformation Ratio     |        |  |  |  |  |
|              | Set up export control if required                           |        |  |  |  |  |
| Remote       | Connect to internet via Ethernet Cable/ WiFi/ 4G            |        |  |  |  |  |

Please use the following checklist for quick commissioning:

| maintenance  | Enable Australian Server                                  |  |
|--------------|---|--|
|              | Update iSolarCloud server domain (Australia)              |  |
|              | Check Port Parameter for IP address (Logger1000)          |  |
| Setup Online | Create a solar plant via iSolarCloud APP via an installer |  |
| Monitoring   | account   |  |

### 2 RS485 Connections



Daisy-Chain using Logger1000



Daisy-Chain using EyeM4 Dongle

#### 2.1 Inverter Connection (Daisy Chain)

Preferred that RS485 can be connected by terminal blocks (RJ45 also available).



Optional (Loogger1000 only): Termination resistor switches (120 Ohm) can be enabled 'ON' (SW1) at each end of the RS485 in the inverter line (only the first and the last inverter) when more than 15 inverters are connected.



#### 2.2 Energy Meter Connection

The site electrician will need to calculate the CT ratio required as per the installation.

Default Modbus address is 1 and the secondary current of CT should be 5A. Please refer Meter Selection Guide for reference.

#### DTSD1352 energy meter connection:

- Terminal 21 = RS485+ A
- Terminal 22 = RS485- B
- Connects to A2/B2 on Logger/inverter



Sungrow recommend Shielded twisted pair cable with a CSA of 0.75mm

#### DTSU666 energy meter connection:

- Terminal 24 = RS485+ A
- Terminal 25 = RS485- B



Connect to A2/B2 terminal at Logger/Inverter

**Logger1000 connection:** Connect to Logger1000 via the RS485 cable from the energy meter on RS485 port A2 and B2.

**EyeM4 connection:** Connect the energy meter RS485 to A2/B2 (RS485-2 Interface) terminals in the inverter that has the EyeM4 dongle.

#### 2.3 Connection to Logger1000

Connect the RS485 comms from the inverter(s) via A1/B1 and the energy meter via A2/B2 (can be connect to A3/B3 if A2/B2 is occupied by inverters) to the Logger1000 as an example.



On the logger1000 side, A1 and B1 are terminals to connect with the inverter which display as **COM1** on the Logger1000 web portal; A2 and B2 are the terminals to connect with the energy meter, they are shown as **COM2** on the portal.

#### 2.4 Connection if using an EyeM4 dongle

Connect the energy meter RS485 to A2/B2 (RS485-2 Interface) terminals in either the first or last inverter in the RS485 chain that will also have the EyeM4 dongle. (Communication PCB varies between inverter models – ensure to use A2/B2).





Figure 1.4.1 RS485 connections in the inverter (SG30/50CX and SG110CX)

The older firmware versions required the meter connection (A2/B2) in the inverter to be enabled. Please use the following process if the meter doesn't appear in the interface.

Access the iSolarCloud App via Bluetooth, once clicking Bluetooth, you will be prompted to select the Bluetooth device (Inverter SN). Click on the SN you wish to connect to and then login to the inverter. Please put in "admin" as the account and the password (pw8888).

Click "More" > "Settings" > "Operation Parameters" > "Other Parameters" > Enable" transparent transmission via standby RS485 port.

| 16:04 \$                      |                   |             | 16:04 \$          |   | < BACK   |            | 16:04 \$                                    | 4G. (#D |
|-------------------------------|-------------------|-------------|-------------------|---|--|------------|---|---------|
|                               | SG50CX            | *           | MORE              | * | SETTINGS   |            | < BACK                                      |         |
| 2020/06/05 16:04<br>Shut Down |                   |             | 🔅 Settings        | > | System Parameters                                  | >          | Running Time                                |         |
| 0 W                           | SN: SG33CX        | ()          |                   |   | Operation Parameters                               | >          | Global MPPT Scanning                        |         |
| <u></u>                       |                   |             | 📋 Download Log    | , | Power Regulation Parameters                        | >          | Grid Voltage Rising Suppression             |         |
| Power                         | Today Yield       | Total Yield | Firmware Update   | > | Protection Parameters                              | >          | PID Parameters                              |         |
| 0.00 kw                       | 0.0 kWh           | 0.0 kWh     | 6 Modify Password | > | Communication Parameters                           | 1          | String Detection                            |         |
|                               |                   | P (%)       |                   |   | Communication Parameters                           | /          | Fault Recovery                              |         |
| P (%)                         |                   |             |                   |   |  |            | Power Reduction at Overfrequency            |         |
| 100<br>80                     |                   |             |                   |   | Yield Coefficient                                  |            | Power Increment at Underfrequency           |         |
| 60                            |                   |             |                   |   | Active Power Limit                                 |            | Communication Interruption<br>Configuration |         |
| 20                            |                   |             |                   |   | Apparent Power Limit                               |            | Grounding Detection                         |         |
| 05:00 09:00                   | 13:00 17:00       | 21.00       |                   |   | 55.0 KVA   |            | AFD Parameters                              |         |
|                               |                   |             |                   |   | Relay Self-test                                    |            | Other Parameters                            |         |
|                               |                   |             |                   |   | Fan & SPD Self-test                                | $\bigcirc$ |   |         |
|                               | Isrmation Records | More        |                   |   | Transparent Transmission Via<br>Standby RS485 Port |            | = - <                                       |         |
| =                             | 0                 | <           |                   |   |  |            |   |         |

### 3 Initialise the inverter(s):

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

TD\_202202\_CX Series\_SG30-50-110CX Commissioning Guide\_V2.0

Page 10 of 30

### Log in as "admin" and password is pw8888

#### Tap 'Country/Region'

| 11:20 🖬 👘 🤋 🦛   | 11:21 🖿                      | 🗟. dl 94% 🛍          | 11:21                            | 🖘 al 94% 🖿              |
|---|------------------------------|----------------------|----------------------------------|-------------------------|
| < BACK  | < BACK                       |                      | < BACK                           | TURN ON DEVICE          |
| IDENTITY VERIFICATION   | IDENTITY VER                 | FICATION             | INITIALIZE                       | PROTECTION PARAMET      |
| Not Connected 🕷   |                              | ✓ A2005294203 🖇      | Use                              | previous configuration. |
| Account<br>admin  | Account<br>admin<br>Password | w8888 ∞ <del>~</del> | Country/Region<br>Not Configured | n                       |
| Bluetooth Search<br>Select to-be-connected inverter from the following list of nearby Bluetooth devices.<br>Nearby Bluetooth Device (1) | Remember Me                  | RIFICATION           |                                  |                         |
| A2005294203   |                              | Forgot Password      |                                  |                         |
|   |                              |                      |                                  |                         |
| SEARCH DEVICE   |                              |                      |                                  |                         |

#### Select Australia (or New Zealand)

For power company, select the appropriate for your location

| 11:21   | 🖬 🗟 🤋 🧃                        | % 🛍 11:21 🖼                   | '≅ <sub>* ,i</sub>    94% <b>∎</b> | 11:21 🖬 | হি, এ 949                     | 6 🔳 |
|---------|--------------------------------|-------------------------------|------------------------------------|---------|-------------------------------|-----|
| < ва    | CK TURN ON DEVI                | ICE < BACK                    | TURN ON DEVICE                     | < BACK  | TURN ON DEVI                  | CE  |
| n       | Country/Region                 | ſ INITIALIZ                   | E PROTECTION PARAMET               | n.      | Power Company                 | Г   |
|         | AS/NZS 4777.2:2020 New Zealand | Use                           | e previous configuration.          |         | AS/NZS 4777.2:2015            |     |
| Ci<br>N | Austria                        | Country/Regio<br>Australia    | on                                 |         | S/NZS 4777.2:2020 Australia A |     |
|         | Australia                      | Power Compa<br>Not Configured |                                    | Pr A    | S/NZS 4777.2:2020 Australia B |     |
| L       | Brazil                         | Device Addres                 | 55                                 |         | S/NZS 4777.2:2020 Australia C |     |
| L       | China                          |                               |                                    |         | ENERGEX & Ergon Energy        |     |
|         | Chinese Taipei                 |                               |                                    |         | Endeavour Energy              |     |
|         | Czech Republic                 |                               |                                    |         | Ausgrid                       |     |
|         | Denmark(DK2)                   |                               |                                    |         | Jemena                        |     |
|         | Denmark(DK1)                   |                               |                                    |         | CitiPower & Powercor          |     |

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

| 11:22 III ≪ .al 94% ■<br>< BACK TURN ON DEVICE                    | 11:22 🖾 জিলা 94% 🖬 <                                      | 11:22 III ຈ≎ al 94% ∎<br>SG30CX 🖇   |
|---|---|---|
| INITIALIZE PROTECTION PARAMET                                     | COMPLETED<br>The inverter is now configured successfully. | 2022/01/31 11:22<br>Shut Down<br>0 W S/N: A2005294203 - ①   |
| Country/Region<br>Australia                                       | A2005294203(Configured)<br>SG30CX                         | <u>ه</u>  |
| Power Company<br>AS/NZS 4777.2:2020 Australia A<br>Device Address |   | Real-time Power         Today Yield         Total Yield           0.00 kw         0.0 kwh         0.0 kwh |
| 1   |   | P (%) 100 60 40 20  |
|   | Synchronize parameters with other<br>inverters COMPLETE   |   |

#### 4 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

| 11:30 🖪                   | 🗟 all 96% 🛍 | 11:30 🖼  | 🗟 , ॥। 96% 🛍         | 11:30 🖬                        | 🖘 л 96% 💼        |
|---------------------------|-------------|--|----------------------|--------------------------------|------------------|
| Login                     | ۵۰۰۰ (ک)    | SUNGROW  | Q 🕀                  | < BACK                         |                  |
|                           |             | All(119779) Commissioning  | g Unfinished(5863) I | CREATE PLANT                   |                  |
| Account                   |             | And the second |                      |                                |                  |
| gmhum@sungrowpower.com.au | Ŧ           | Plant PR  Equivalent Hours   |                      | * Plant Name                   |                  |
| Password                  | Ø           | Jagunundan (i) Pacific F   | Pines                |                                |                  |
|                           | ~           | Equivalent Hours:<br>Today Yield:  |                      | * Plant Type                   |                  |
| LOGIN                     |             | CONTINUE COMMISSI  | SIONING              | Please Select                  | $(\mathbf{i})$ > |
| REGISTER                  |             | Marine & Civil Maintenar   | nce Pty Ltd ····     | * Installed PV Power (kWp)     |                  |
| Forgot Password           |             | Equivalent Hours: -  |                      |                                |                  |
| r orgot r doorrord        |             | Today Yield:   |                      | * Country/Decien               |                  |
|                           |             | CONTINUE COMMISS   | IONING               | * Country/Region Please Select | >                |
|                           |             |  |                      |                                |                  |
|                           |             | 192 16 CARINA OL ROCI<br>6168  | KINGHAM WA           | * Time Zone                    | \<br>\           |
|                           |             | Equivalent Hours: -  |                      |                                |                  |
|                           |             | Today Yield: -   |                      |                                |                  |
|                           |             | E-use Today: -   |                      | * Plant Address                | 0                |
|                           |             | Today's Charge: -  |                      |                                |                  |
| B                         |             | Today's Discharge: -   |                      |                                |                  |
| 8                         |             |  | NEW NEW              |                                |                  |
| Visitor Login L           | ocal Access | Home Fault   | More                 | NEXT                           |                  |
|                           |             | Piterine Pault   | 1916/12              |                                |                  |

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

TD\_202202\_CX Series\_SG30-50-110CX Commissioning Guide\_V2.0

Page 12 of 30

| 1:30 🖼                | ≌. <b>⊮</b> 96% |
|-----------------------|-----------------|
| < BACK                |                 |
| CREATE PLANT          |                 |
| Plant Name            | 1               |
| demo sg30cx training  |                 |
| Plant Type            |                 |
| Please Select         | () >            |
| Installed PV Power (k | :Wp)            |
| Country/Region        | ×               |
|                       |                 |
| CANCEL                | CONFIRM         |
| Reside                | ntial PV        |
| Residenti             | al Storage      |
| Comme                 | ercial PV       |
| Micr                  | ogrid           |
|                       | ty PV           |

| < BACK                     |       |
|----------------------------|-------|
| CREATE PLANT               |       |
| * Plant Name               |       |
| demo sg30cx training       |       |
| * Plant Type               |       |
| Commercial PV              | (i) > |
| * Installed PV Power (kWp) |       |
|                            |       |
| * Country/Region           | >     |
|                            |       |
| * Time Zone                | >     |
|                            |       |
| * Plant Address            | 0     |
|                            | v     |
| NEXT                       |       |

🗟 .il 96% 🗎

|         | <br>10 0 11 0 |  |
|---------|---------------|--|
|         |               |  |
|         |               |  |
| 11:31 🖼 | 🗟 .ଣ 96% 🛢    |  |
| < BACK  |               |  |

Clean power for all



Zero Export Off-grid

#### Ensure correct region and time zone

| 1 victoria s | t Smith       | nfield | 1          |            |          |        |      |             |    |
|--------------|---------------|--------|------------|------------|----------|--------|------|-------------|----|
| Grid-con     |               | n Ty   | pe         |            |          |        |      |             | >  |
| irid-conne   | ected I       | Date   |            |            |          |        |      |             | >  |
| 022-01-31    | 0             |        |            |            |          |        |      |             |    |
| wner's Er    |               |        |            |            |          |        |      |             |    |
|              |               |        |            | -          |          |        |      |             |    |
|              |               |        |            |            |          |        |      | 247         | 00 |
| -j)pow       | er.com        | tes    | sy@si      | ungr.      | <br>tes  | sr@s   | ungr |             | •• |
|              | er.com<br>3 4 |        | sy@si<br>5 | ungr.<br>6 | tes<br>7 | sr@s   | ungr |             |    |
| 2            |               |        |            |            |          | _      | ungr |             |    |
| 2            | 3 4           |        | 5          | 6<br>y     | 7        | 8<br>i | ungr | 9           |    |
| 2<br>1 W     | 3 4<br>e r    |        | 5<br>t     | 6<br>y     | 7<br>u   | 8<br>i | ungr | 9<br>9<br>1 |    |

| $\sim$ |
|--------|
|        |
|        |
|        |
|        |
|        |
|        |
|        |
|        |
|        |
|        |
| 0      |
|        |
|        |

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)

### 5 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)

| ← Settings  | Network & internet > Wi-Fi   | - 0 X |
|---|--|-------|
| Find a setting  | ବି Wi-Fi On 🕊  | >     |
| <ul> <li>System</li> <li>Bluetooth &amp; devices</li> </ul>                               | Secured Secured  | >     |
| Network & internet  | A Show available networks  | ~     |
| Personalization   | Namento Si   |       |
| Accounts Time & language Gaming Gaming  | © SG-B2006050572<br>Open<br>Connecting   | ₽     |
| <ul> <li>Accessibility</li> <li>Privacy &amp; security</li> <li>Windows Update</li> </ul> | Attent Matt           Attent |       |

TD\_202202\_CX Series\_SG30-50-110CX Commissioning Guide\_V2.0

Page 14 of 30



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



TD\_202202\_CX Series\_SG30-50-110CX Commissioning Guide\_V2.0

Page 15 of 30

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

SUNGROW



Select the customer's WiFi network and enter the password



#### Scroll down and check the 'Remote Maintenance' box

| E EyeM4             | x +   |              |       | -        | ٥        | ×  |
|---------------------|---|--------------|-------|----------|----------|----|
| ← → C ▲ Not secur   | re   11.11.11/#/user/help   | 6            | 10 10 | ı @      |          |    |
| 🖾 New tab 🌓 Welcome |   |              |       |          |          |    |
| 1,000               |   |              |       |          |          |    |
|                     | Setup Wizard  | ×            |       |          |          |    |
|                     |   |              |       |          |          |    |
|                     | <b>0</b> 0 0 0 0  |              |       |          |          |    |
| 100 C               | Network Configuration Grid Connection Debugging Create Plant Overview |              |       |          |          |    |
|                     |   | •            |       |          |          |    |
|                     |   | - 1          |       |          |          |    |
| A                   | B2006050572 WIFI app.isolarcloud.com<br>Settings                      | - 18         |       |          |          |    |
| A 100 C             |   | - 8          |       |          |          |    |
|                     | Network Options   | - 8          |       |          |          |    |
|                     | WLAN Configuration  | - 8          |       |          |          |    |
|                     | Connected Connected Connect Communication Device                      | - 8          |       |          |          |    |
|                     | to the Router   | - 8          |       |          |          |    |
|                     | Remote Maintenance  | - 8          |       |          |          |    |
|                     | Remote Access and Maintenance of Communication Devices                | - 8          |       |          |          |    |
|                     | Enable Remote Online Maintenance                                      |              |       |          |          |    |
|                     | Close   | Next         |       |          |          |    |
|                     | 0.00  |              |       |          |          |    |
|                     |   |              |       |          |          |    |
|                     | 🚦 🔎 💻 🖩 👰 👘 😤 📾 😰 🛢 🍳 👰 🛃 💽 🗰 🌻 🧶                                     | <b>ö</b> ^ • | G 4 8 | a) 🍅     | 10:11 AI | 10 |
|                     |   |              |       | and had? | 2/11/202 | 2  |

Click 'NEXT'



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



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

| <br>Setup Wizard   |   | ×   | A |
|--|---|---|---|
| Network Configuration Grid Connection Debugging  | Create Plant                            | Overview                                    | _ |
| Auto Search         Add Device           "Auto Search" only supports SUNGROW inverters. SUNGROW inverters, meters, meteo stations, third-party inverters, etc.         V           Inverter(1)         Inverter(1) | ters may be manually added by "Add Devi | ce", as well as energy<br>Initial Parameter |   |
| SG30CX(COM1-001)<br>SIN: A2005294203   |   | Previous Next                               |   |

Click "Settings" in the pop-up box and check the result

| <b>Ø</b> ——  | Initial Parameter              | ×                   | 0                 |  |
|--|--------------------------------|---------------------|-------------------|--|
| Network Configuration  |                                | O                   |                   |  |
| <br>Device Setup (1)   | Country/Region Australia       | ~                   | Í                 |  |
| Auto Search Add Device   | Network Service                |                     |                   |  |
| "Auto Search" only supports SUNGR meters, meteo stations, third-party in | AS/NZS 4777.2:2020 Australia A | √ Add Device", as v | well as energy    |  |
| ∨ Inverter(1)  | Settings                       |                     | Initial Parameter |  |
| SG30CX(COM1-001)<br>S/N: A2005294203<br>inverter                         |                                |                     |                   |  |
|  |                                |                     |                   |  |
|  |                                |                     | Previous Next     |  |
|  |                                |                     |                   |  |



TD\_202202\_CX Series\_SG30-50-110CX Commissioning Guide\_V2.0

Page 19 of 30



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

|  | A DO DOOR ADDRESS          |
|--|----------------------------|
| Setup Wizard   | ×                          |
| Ø Ø Ø  | 0                          |
| Network Configuration Grid Connection Debugging Create Plant   | Overview                   |
|  | A                          |
| Auto Search Add Device   |                            |
| "Auto Search" only supports SUNGROW inverters. SUNGROW inverters may be manually added by "Add meters, meteo stations, third-party inverters, etc. | Device", as well as energy |
| v inverter(1)  | Initial Parameter          |
| SG30CX(COM1-001)<br>SIN: A2005294203<br>Inverter   |                            |
| ✓ Successful   Query Parameters  |                            |
| > Meter(0)   |                            |
|  | Previous Next              |
|  |                            |

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

| 1.000 |  |  |
|-------|--|--|
|       | Setup Wizard   |  |
|       | Add Device ×   |  |
|       | Network Configuratio   |  |
|       | Auto Search Add Device   |  |
|       | "Auto Search" only supports Access Type vice", as well as energy<br>meters, meteo stations, third<br>Please Select |  |
| 10 mm | V Inverter(1)  |  |
|       | SIN: A2005294203<br>Inverter<br>Successful C   |  |
|       | > Meter(0)   |  |
|       | AC Previous Ne   |  |

| <br>Setup Wizard   |                                  | ×                        | A |
|--|----------------------------------|--------------------------|---|
|  | Add Device                       | ×                        |   |
| Network Configuratio   | Port                             | Overview                 |   |
|  | COM1 ~                           |                          | • |
| Auto Search Add Device<br>"Auto Search" only supports<br>meters, meteo stations, third | Device Model DTSD1352            | vice", as well as energy |   |
| <ul> <li>✓ Inverter(1)</li> </ul>  | Beginning Address (1~255)        | Initial Parameter        |   |
| SG30CX(COM1-<br>S/N: A2005294203<br>Inverter<br>✓ Successful   Q                       | 254<br>Quantity of Device (1~10) |                          |   |
| > Meter(0)   | 1<br>Save                        | Previous Next            |   |
|  | _                                | ·                        |   |

\*Refer Appendix 2 if the meter does not appear

| -   | A COLUMN AND A DOWN |
|---|---------------------|
| Setup Wizard  | ×                   |
| Image: Network Configuration     Grid Connection Debugging     Create Plant           | Overview            |
| SG30CX(COM1-001)<br>SIN: A2003294203<br>Inverter ⊡<br>✓ Successful   Query Parameters |                     |
| <ul> <li>✓ Meter(1)</li> <li>DTSD1352(COM1-254)</li> <li>S/N:<br/>Meter</li> </ul>    |                     |
|   | Previous Next       |

The plant has already been created on iSolarCloud. Select "SKIP"

| -  |  |                     |                     |                             |      |  |
|--|--|---------------------|---------------------|-----------------------------|------|--|
| Setup Wizard                                     |  |                     |                     |                             | ×    |  |
| ol 🛛 🖉 ——  | 📀  | 3                   |                     | 4                           |      |  |
| Network Configuration                            | Grid Connection Debugging                    | Create P            | lant                | Overview                    |      |  |
| Create Plant                                     |  |                     |                     |                             | ^    |  |
| Please fill in the plant information,<br>owners. | once completed, plants will be automat       | ically set up in iS | olarCloud for desig | inated installers or proper | ty   |  |
| * Plant Name                                     | * Plant Type                                 |                     | * Installed Power(  | Wp)                         |      |  |
| Demo SG30CX                                      | Commercial Plant                             | ~                   | 30000               |                             | - 18 |  |
| * Country/Region                                 | * Time Zone                                  |                     | Plant Address       |                             | - 88 |  |
| Australia  | <ul> <li>(UTC+10:00) Canberra, Me</li> </ul> | elbourne, S 🗸 🗸     | 89-91 Victoria St   | . Smithfield NSW 2164       |      |  |
| NMI  |  |                     |                     |                             |      |  |
|  |  |                     |                     |                             |      |  |
| Connect Installer                                |  |                     |                     |                             | -    |  |
|  |  |                     |                     | Skip Previous Ne            | 4    |  |
|  |  |                     | l                   | onp rightus ne              | ···· |  |
|  |  |                     |                     |                             |      |  |

The overview can be downloaded. Then click "Complete"

| 1.000   | -  |                             |                                 |                        | 1001-001                             |           |            |
|---|--|-----------------------------|---------------------------------|------------------------|--------------------------------------|-----------|------------|
|   | Setup Wizard   |                             |                                 |                        | ×                                    |           |            |
|   | I  | 🕗                           | 🕗                               |                        | 4                                    |           |            |
|   | Network Configuration Gr   | rid Connection Debugging    | g Create P                      | lant                   | Overview                             |           |            |
|   | Overview   |                             |                                 | Г                      | lnitial Report                       |           |            |
| A   | EyeM4  |                             |                                 |                        |                                      |           |            |
|   | Device S/N   |                             | B2006050572                     |                        |                                      |           |            |
| 10 mm   | Version  |                             | M_EyeM4_V01_V01                 | _A                     |                                      |           |            |
|   | Device Information   |                             |                                 |                        |                                      |           |            |
|   | Device Name  | Device S/N                  |                                 | Grid-connected Details |                                      |           |            |
|   | SG30CX(COM1-001)   | A2005294203                 |                                 | AustraliaAS/NZS 4777.2 | 2:2020 Australia                     |           |            |
|   |  |                             |                                 | А                      |                                      |           |            |
|   |  |                             |                                 | Dec                    | Complete                             |           |            |
|   |  |                             |                                 | 110                    | Complete                             |           |            |
|   |  |                             |                                 |                        |                                      |           |            |
|   |  |                             |                                 |                        |                                      |           |            |
|   |  |                             |                                 |                        |                                      |           |            |
| EyeM4   | Ξ  |                             |                                 |                        | 🙁 1 🔥 0                              | ⊕ English | L O&M user |
| EyeM4   | 프<br>Shortcut Menu   |                             |                                 |                        | <b>⊘</b> 1 <b>▲</b> 0                | 🌐 English | 💄 O&M user |
|   |  |                             | _                               |                        | <b>©</b> 1 <u>∧</u> 0                | English   | 💄 O&M user |
| Overview  | Shortcut Menu  | 8                           |                                 |                        | <b>2</b> 1 <b>▲</b> 0                | English   | L O&M user |
| Overview General Information Current Alarms   | Shortcut Menu  | aintenance                  |                                 |                        | <b>3</b> 1 <b>▲</b> 0                | ⊕ English | L O&M user |
| Overview     General Information  | Shortcut Menu  | aintenance                  |                                 |                        | S 1 🔥 0                              | English   | O&M user   |
| Overview General Information Current Alarms   | Shortcut Menu  | R<br>aintenance             |                                 |                        | <b>2</b> 1 ▲0                        | ⊕ English | ▲ O&M user |
| Overview     General Information     Current Alarms     Device Monitoring   | Setup Wizard System Ma   | intenance                   | 0.00 kW                         |                        | O Piece                              | English   |            |
| Current Alarms  Current Alarm | Shortcut Menu  |                             | Real-time Active Pov            | ver                    | O Piece Offline Device               | English   |            |
| Current Alarms  Current Alarm | Setup Wizard System Ma   |                             |                                 |                        | O Piece                              | ⊕ English |            |
| Current Alarms  Current Alarms  Current Control  Covice  Covice Covice  Covice  Covice  Covice Cov | Shortcut Menu  | (B)                         | Real-time Active Pov<br>0.00 kW |                        | O Piece<br>Offline Device<br>2 Piece | English   |            |
| Current Alarms  Current Alarms  Current Control  Current Current  Current  Current Current  Current Current  Current Current  Current Current  Current Current  Current  Current Current  Current  Current  Current  Current  Current  Current  Current  Current  Current  Current  C | Shortcut Menu<br>Setup Wizard System Ma<br>Data Index<br>O.00 kWh<br>Daily Yield<br>0.00 kWh | (B)                         | Real-time Active Pov<br>0.00 kW |                        | O Piece<br>Offline Device<br>2 Piece | English   |            |
| Current Alarms  Current Alarms  Current Control  Covice  Covice Covice  Covice  Covice  Covice Cov | Shortcut Menu  | G ( Off-grid 1, On-grid 0 ) | Real-time Active Pov<br>0.00 kW |                        | O Piece<br>Offline Device<br>2 Piece |           |            |

TD\_202202\_CX Series\_SG30-50-110CX Commissioning Guide\_V2.0

Page 22 of 30



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

| EyeM4                  | Ξ   | 😣 1 🛕 0 🜐 English 🛛 💄 O&M user |
|------------------------|---|--------------------------------|
| X Device 🔻             |   |                                |
| T Power Control 🗸      | iSolarCloud Third-party Advanced Settings × |                                |
| Ilistory Data          | Server                                      |                                |
| 🌣 System 🔺             | International Server app.isolarcloud.com    | 0                              |
| Run Information        | Chinese Server<br>International Server      |                                |
| System Maintenance     | European Server                             |                                |
| Remote Maintenance     | Australian Server                           |                                |
| Message Export         | Enable Night Silence                        |                                |
| Transfer Configuration | Start Time Please Enter                     |                                |
| Port Parameter         | End Time                                    |                                |
| About                  | Please Enter •                              |                                |
| O                      |   |                                |

| EyeM4                            | Ξ                       |   |          | 801 ▲0        | English | LO&M user |
|----------------------------------|-------------------------|---|----------|---------------|---------|-----------|
| T Power Control                  | iSolarCloud Third-party | Advanced Settings   | ×        |               |         |           |
| <ul> <li>History Data</li> </ul> | Server                  |   | <u>^</u> |               |         |           |
| 🌢 System 🔺                       | International Server    | Server audata.isolarcloud.com   |          | 0             |         |           |
| Run Information                  |                         | Peer Port   | -        |               |         | _         |
| System Maintenance               |                         | 19999   | _        |               |         |           |
| Remote Maintenance               |                         | Public Key  | _        |               |         |           |
| Message Export                   |                         | Enable Night Silence  | _        |               |         |           |
|                                  |                         | Start Time  | _        |               |         |           |
| Port Parameter 🔹                 |                         | Please Enter<br>End Time  | _        |               |         |           |
| 3 About                          |                         | Please Enter  |          |               |         |           |
|                                  |                         |   |          |               |         |           |
|                                  |                         |   |          |               |         |           |
| EyeM4                            | Ξ                       |   |          | ₿1 ▲0         | English | LO&M user |
| 1 Power Control 🗸                | iSolarCloud Third-party | Advanced Settings   | ×        |               |         |           |
| Ilistory Data                    | Server                  | 19999   |          |               |         |           |
| 🌢 System 🔺                       | International Server    | Public K  | _        | 0             |         |           |
|                                  |                         | Prompt  |          |               |         |           |
|                                  |                         | Ena The Sunshine Cloud site is inconsistent will be remote maintenance site. The switch will be | e        |               |         |           |
|                                  |                         | Start Tir Synchronize to modify the remote maintena address. Whether to continue or not.        | ance     |               |         |           |
|                                  |                         | End Tim Confirm   | Cancel   |               |         |           |
|                                  |                         | Please Enter  |          |               |         |           |
|                                  |                         | Save  |          |               |         |           |
| About                            |                         |   | v        |               |         |           |
|                                  |                         |   |          |               |         |           |
|                                  |                         |   |          |               |         |           |
| EyeM4                            | Ξ                       |   |          | <b>⊗</b> 1 🛕0 | English | LO&M user |
| Power Control                    | iSolarCloud Third-party | Portal  |          |               |         |           |
| ■ History Data                   | Server                  | Peer Port   | Switch   |               |         |           |
| 🌢 System 🔺                       | Australian Server       | 19999   |          | 0             |         |           |
| Run Information                  | L                       |   |          |               |         |           |
| System Maintenance               |                         |   |          |               |         |           |
| Remote Maintenance               |                         |   |          |               |         |           |
| Message Export                   |                         |   |          |               |         |           |
| Transfer Configuration           |                         |   |          |               |         |           |
| Port Parameter 🗸                 |                         |   |          |               |         |           |
| About                            |                         |   |          |               |         |           |
| ۍ <del>چ</del>                   |                         |   |          |               |         |           |

#### Go to "Remote Maintenance, confirm and save

TD\_202202\_CX Series\_SG30-50-110CX Commissioning Guide\_V2.0

Page 24 of 30

| EyeM4                     | Ξ   | <b>⊗</b> 1 🛕0 | English | LO&M user |
|---------------------------|---|---------------|---------|-----------|
| X Device 🔻                |   |               |         |           |
| T Power Control 👻         | Remote Maintenance Enable   |               |         |           |
| U History Data 🔹          | Server  |               |         |           |
| System                    | Australian Server $\vee$  |               |         |           |
| Run Information           | The address of the server site is<br>bound to the forwarding address<br>of Sunshine Cloud. If you need to |               |         |           |
| System Maintenance        | modify it, please modify the<br>Sunshine Cloud site.  |               |         |           |
| Remote Maintenance        | Save  |               |         |           |
| Message Export            | Remote Service Has Been Connected   |               |         |           |
| Transfer Configuration    | https://rm.isolarcloud.com  |               |         |           |
| Port Parameter            |   |               |         |           |
| <ul> <li>About</li> </ul> |   |               |         |           |
|                           |   |               |         |           |

#### Confirm and then copy password info

| EyeM4   | Ξ  | <b>⊗</b> 1 <b>∆</b> 0 | ) English  | LO&M user  |
|---|--|-----------------------|------------|------------|
| X Device 👻  |  |                       |            |            |
| Power Control   | Remote Maintenance Enable Remote Access  |                       |            |            |
| History Data  | Server Access Link   |                       |            |            |
| System  | Australian Server https://rm.isolarcloud.com The address of the server   |                       |            |            |
| Run Information   | bound to the forwarding a Device S/N of Sunshine Cloud. If you   |                       |            |            |
| System Maintenance  | modify it, please modify til B2006050572<br>Sunshine Cloud site.   |                       |            |            |
| Remote Maintenance  | Password   |                       |            |            |
| Message Export  | Remote Service Has Bee   |                       |            |            |
| Transfer Configuration  | nttps://mi.isoiarcioud.com   |                       |            |            |
| Port Parameter 🔹  |  |                       |            |            |
| About   |  |                       |            |            |
| O   |  |                       |            |            |
|   |  |                       |            |            |
|   |  |                       |            |            |
| EyeM4   | Ξ  | ⊗1 🛕0                 | () English | 💄 O&M user |
| EyeM4<br>× Device •   |  | <b>⊗</b> 1 <b>▲</b> 0 | Henglish   | So&M user  |
|   | Remote Maintenance<br>Enable Remote Access X   | ●1 ▲0                 | English    | L O&M user |
| X Device 🔻  | Remote Maintenance   | 21 ▲0                 | English    | O&M user   |
| Device  | Remote Maintenance     Remote Access     ×       Enable     Server     Server: Australian Server       Australian Server     Device S/N: B2006050572   | <b>2</b> 1 <b>▲</b> 0 | English    | 2 O&M user |
| Everce     Power Control     History Data   | Remote Maintenance     Remote Access     ×       Enable     Server     Server: Australian Server       Australian Server     Device S/N: B2006050572       The address of the serve<br>bound to the forwarding a     Password: A4135444  | <b>◎</b> 1 ▲0         | English    | L O&M user |
| X Device     Image: Control       Image: Power Control     Image  | Remote Maintenance     Remote Access     X       Enable     Server     Server: Australian Server       Australian Server     Device S/N: B2006050572       The address of the server     Device S/N: At135444       of Sunshine Cloud, If you modify it, please modify the server is the matter.   | ●1 ▲0                 | English    | L O&M user |
| X Device     Image: Control       Image: Power Control     Image: Control       Image: History Data     Image: Control       Image: Control     Image: Contro       Image: Control     Image: Co  | Remote Maintenance     Remote Access     ×       Enable     Server     ×       Server     Server:     Australian Server       Australian Server     Device S/N: B2006050572       The address of the server     Device S/N: B2006050572       Dound to the forwarding a of Sunshine Cloud, If you modify it, please modify t     Copy remote access information  | <b>○</b> 1 <b>▲</b> 0 | English    | O&M user   |
| X     Device     Image: Control       Image: Power Control     Image: Control     Image: Control       Image: Power Contro     Image: Control  | Remote Maintenance       Remote Access       X         Enable       Server       Server       Server         Australian Server       Device S/N: B2006050572       Device S/N: B2006050572         The address of the server<br>bound to the forwarding a<br>of Sunshine Cloud. If you<br>modify it, please modify t<br>Sunshine Cloud site.       Copy remote access information         Save       or       or         Remote Service Has Bee       Send to Mailbox  |                       | () English | ▲ O&M user |
| X Device     Image: Control       Image: Power Control     Image: Power Control       Image: P  | Remote Maintenance       Remote Access       ×         Enable       Server       ×         Server       Australian Server       Device S/N: B2006050572         The address of the server       Device S/N: B2006050572         Password: A4135444       Copy remote access information         of Sunshine Cloud if you       Copy remote access information         Save       or         Remote Service Has Bee       Send to Mailbox         https://m.isolarcloud.com       Email   | <b>2</b> 1 <b>▲</b> 0 | English    | O&M user   |
| Levice     Verice     Verice | Remote Maintenance     Remote Access     ×       Enable     Server     Server       Australian Server     Device S/N: B2006050572     Device S/N: B2006050572       The address of the server<br>bound to the forwarding a<br>of Sunshine Cloud. If you<br>modify it, please modify th<br>Sunshine Cloud site.     Copy remote access information       Save     or       Remote Service Has Bee     Send to Mailbox   |                       | English    | ▲ O&M user |
| X     Device     Image: Control     Image: Control       Image: Control     Image: Control     Image: Control       Image: Control     Image: Control     Image: Control  | Remote Maintenance       Remote Access       X         Enable       Server       Server       Server         Australian Server       Device S/N: B2006050572       Password: A4135444         Dound to the forwarding to the server bound to the forwarding to full server in the server bound to the forwarding to sunshine Cloud. If you modify it, please modify to Sunshine Cloud. If you modify it, please modify to Sunshine Cloud. If you modify it, please modify to Sunshine Cloud. If you modify it, please modify to Sunshine Cloud. If you modify it, please modify to Sunshine Cloud. If you modify it, please modify to Sunshine Cloud. If you modify it, please modify to Sunshine Cloud. If you modify it, please modify to Sunshine Cloud. If you modify it, please modify to Sunshine Cloud. If you modify it, please modify to Sunshine Cloud. If you modify it, please modify to Sunshine Cloud. If you modify it, please modify to Sunshine Cloud. If you modify it, please modify to Sunshine Cloud. If you modify it, please modify to Sunshine Cloud. If you modify the su |                       | English    | L O&M user |

TD\_202202\_CX Series\_SG30-50-110CX Commissioning Guide\_V2.0

Page 25 of 30

### 6 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

| EyeM4                      | Ē  |                                 | 😢 1 🛕 0 🜐 English 🛛 💄 O&M user |
|----------------------------|--|---------------------------------|--------------------------------|
| Overview                   | All  | Realtime Value                  |                                |
| Device Monitoring          | ବ୍ତ SG30CX(COM1-001)<br>ବ୍ୟ DTSD1352(COM1-254) |                                 | Save                           |
| X Device 🔻                 |  | Name                            | Value                          |
| Power Control              |  | PT Transformation Ratio         | 1                              |
| History Data               |  | CT Transformation Ratio         | 0                              |
| <ul> <li>System</li> </ul> |  | Meter Reverse Connection Enable | 1                              |
| <ul> <li>About</li> </ul>  |  | Access Type                     | 100                            |
|                            |  |                                 |                                |
|                            |  |                                 |                                |
|                            |  |                                 |                                |
|                            |  |                                 |                                |
| ê 🗅                        |  |                                 |                                |

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

| EyeM4   |   | Ξ                                       | ⊗ 1 | <b>A</b> 0 | () English | LO&M user |
|---|---|---|-----|------------|------------|-----------|
| <ul> <li>Overview</li> <li>Device Monitoring</li> </ul> | • | Active Control Mode Disable Dispatching |     |            |            |           |
| X Device  | • | Save                                    |     |            |            |           |
| 1 Power Control   | ^ |   |     |            |            |           |
| Active Power  |   |   |     |            |            |           |
| Ilistory Data   | - |   |     |            |            |           |
| System  | - |   |     |            |            |           |
| <ul> <li>About</li> </ul>                               |   |   |     |            |            |           |
|   |   |   |     |            |            |           |
|   |   |   |     |            |            |           |
|   |   |   |     |            |            |           |
|   |   |   |     |            |            |           |

Select "Closed-Loop Control and the meter type

| EyeM4             |  | <b>⊗</b> 1 <b>≜</b> 0 | 🌐 English | LO&M user |
|-------------------|--|-----------------------|-----------|-----------|
| Cverview          | Active Control Mode  |                       |           |           |
| Device Monitoring | Local Power Control V  |                       |           |           |
| X Device          | Power Limit in Case of Meter Communication Anomaly (%) 100.0 |                       |           |           |
| 1 Power Control   | Control Method   |                       |           |           |
| Active Power      | Closed-loop Control  |                       |           |           |
| O History Data    | Select energy meter/transformer DTSD1352(COM1-254)           |                       |           |           |
| System            | Viting mode  |                       |           |           |
| 3 About           | Direct connection ~  |                       |           |           |
|                   | Start after communication recovery                           |                       |           |           |
|                   | Enable V   |                       |           |           |
|                   | Start delay after communication recovery (0–120)s            |                       |           |           |
| <u></u>           | 60   |                       |           |           |

Scroll down and select "kW" from the 'Instruction Type' and enter the export value.

| EyeM4                      | Ξ   | 😵 1 🛕 0 🜐 English 🔒 O&M user |
|----------------------------|---|------------------------------|
| 🖁 Overview 🔻               | Total active power control<br>Control Cycle (5-60)S |                              |
| Device Monitoring          | 10  |                              |
| X Device 👻                 | Instruction Type                                    |                              |
| Power Control              | kw ~  |                              |
| Active Power               |   | Clear Data                   |
| History Data               | Start Time Fixed Value of Active Po                 | ower(kW)                     |
| <ul> <li>System</li> </ul> | Ø         00:00         30                          |                              |
| <ul> <li>About</li> </ul>  |   |                              |
|                            |   |                              |
|                            |   |                              |
|                            |   |                              |
| O                          |   |                              |

Scroll down and SAVE

| EyeM4                     | Ξ    | 😣 1 🛕 0 💮 English 🔒 O&M user |
|---------------------------|------|------------------------------|
| 🖬 Overview 🔻              |      | υ                            |
|                           |      |                              |
| Device Monitoring         |      |                              |
| 🗙 Device 🛛 👻              |      |                              |
| 1 Power Control           |      |                              |
| Active Power              |      |                              |
| 🕔 History Data 🛛 👻        |      |                              |
| System                    |      |                              |
|                           |      |                              |
| <ul> <li>About</li> </ul> |      |                              |
|                           |      |                              |
|                           |      |                              |
| <u> </u>                  | Save |                              |

### 7 Check the plant on iSolarCloud:

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

| Apps 🛛 SG - Sungrow Se      | ervi 🎦 (7) Sungrow Pe | ower 📋 Sui   | ngrow Australia            | Overview M       | Gmail • You I | ube 💡 Maps ( | G Google 🚷 Eas | y Connect 🔄 Su  | ingrow sneets  | » 🖽 Read  |
|-----------------------------|-----------------------|--------------|----------------------------|------------------|---------------|--------------|----------------|-----------------|----------------|-----------|
| iSolarCloud                 | Plant Status          | ~ Plan       | t Type 🗸 🗸                 | demo sg30cx      | S Devi        | ce S/N       | Q PP Screenin  | ng Column 🕀 Cro | eate Plant SUN | NGROW E   |
| ப் Home                     | Plant Image           | Plant Status | Plant Name                 | Plant Type       | Installed     | Real-time    | Today Yield    | Total Yield     | Equivalent     | Operation |
| A Fault                     |                       |              |                            |                  | Power ≑       | Power 💠      | ÷              | ÷               | Hours 💠        |           |
| B Report                    | ۲                     | <b>I</b>     | demo<br>sg30cx<br>training | Commercial<br>PV | 30 kWp        | 0 W          | 0 kWh          | 0 kWh           | 0 Hour         | Ŵ         |
| <u>∧</u> Curve              |                       |              | training                   |                  |               |              |                |                 |                |           |
| P Advanced 🗸                |                       |              |                            | -                |               |              |                |                 |                |           |
| % Settings                  |                       |              |                            |                  |               |              |                |                 |                |           |
| Firmware Update             |                       |              |                            |                  |               |              |                |                 |                |           |
| Smart IV Curve<br>Diagnosis |                       |              |                            |                  |               |              |                |                 |                |           |
| ccount                      |                       |              |                            |                  |               |              |                |                 |                |           |
| Me                          |                       |              |                            |                  |               |              |                |                 |                |           |
| Background<br>Management    |                       |              |                            |                  |               |              |                |                 |                |           |
|                             |                       |              |                            |                  |               |              | Total 1        | 10/page         | < 1            | > Go to 1 |

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



#### Appendix 1 Set local time (Logger1000 only):

Navigate to 'System Time' under System and select Clock Source to '**NTP**' and Time Zone to '**UTC+10:00**' and make sure to **Save** 



TD\_202202\_CX Series\_SG30-50-110CX Commissioning Guide\_V2.0

Page 29 of 30

#### Appendix 2 Enable the meter RS485

The older firmware versions required the meter connection (A2/B2) in the inverter to be enabled. Please use the following process if the meter doesn't appear in the interface.

Access the iSolarCloud App via Bluetooth, once clicking Bluetooth, you will be prompted to select the Bluetooth device (Inverter SN). Click on the SN you wish to connect to and then login to the inverter. Please put in "admin" as the account and the password (pw8888).

Click "More" > "Settings" > "Operation Parameters" > "Other Parameters" > Enable" transparent transmission via standby RS485 port.

| 16:04 \$                      |                     |             | [ | 16:04 \$          |         | < BACK   |            | 16 | 3:04 <b>\$</b>                  | #14G- (#D |
|-------------------------------|---------------------|-------------|---|-------------------|---------|--|------------|----|---------------------------------|-----------|
|                               | SG50CX              | *           |   | MORE              | *       | SETTINGS   |            | <  | BACK                            |           |
| 2020/06/05 16:04<br>Shut Down |                     |             |   | 🔅 Settings        | >       | System Parameters                                  | >          | R  | unning Time                     |           |
| 0 W                           | SN: SG33CX          | 0           |   |                   |         | Operation Parameters                               | >          | GI | lobal MPPT Scanning             |           |
| <b></b>                       |                     |             |   | Download Log      | · · · · | Power Regulation Parameter                         | 's         | G  | rid Voltage Rising Suppression  |           |
| Power                         | Today Yield         | Total Yield |   | Firmware Update   | >       | Protection Parameters                              |            | PI | ID Parameters                   |           |
| 0.00 kw                       | 0.0 kwh             | 0.0 kwh     |   | G Modify Password | >       |  |            | St | tring Detection                 |           |
|                               |                     | — P (%)     |   |                   |         | Communication Parameters                           | >          | Fa | ault Recovery                   |           |
| P (%)                         |                     | — P (%)     |   |                   |         |  |            | P  | ower Reduction at Overfrequency |           |
| 100                           |                     |             |   |                   |         | Yield Coefficient                                  |            | P  | ower Increment at Underfrequen  | zy >      |
| 60                            |                     |             |   |                   |         | 1.000<br>Active Power Limit                        |            | C  | ommunication Interruption       |           |
| 40 20                         |                     |             |   |                   |         | 50.0 kW  |            |    | onfiguration                    |           |
| 0                             | 13:00 17:00         | 21:00       |   |                   |         | Apparent Power Limit<br>55.0 KVA                   |            |    | -                               |           |
|                               |                     |             |   |                   |         | Relay Self-test                                    |            | A  | FD Parameters                   |           |
|                               |                     |             |   |                   |         |  | 1          | 01 | ther Parameters                 |           |
|                               |                     |             |   |                   |         | Fan & SPD Self-test                                | $\bigcirc$ |    |                                 |           |
|                               | information Records | BE          |   |                   |         | Transparent Transmission Via<br>Standby RS485 Port |            |    | = 0 <                           |           |
| =                             |                     |             |   |                   |         | 1  |            |    |                                 |           |

If you have any questions, please contact Sungrow Service Department on 1800 786 476 or email to service@sungrowpower.com.au.