Sungrow G2 3 Phase PV Inverter Commissioning Guide

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Version	Revision History	Created by	Date
1.0	First version	AU Service Team	27th Jan 2021

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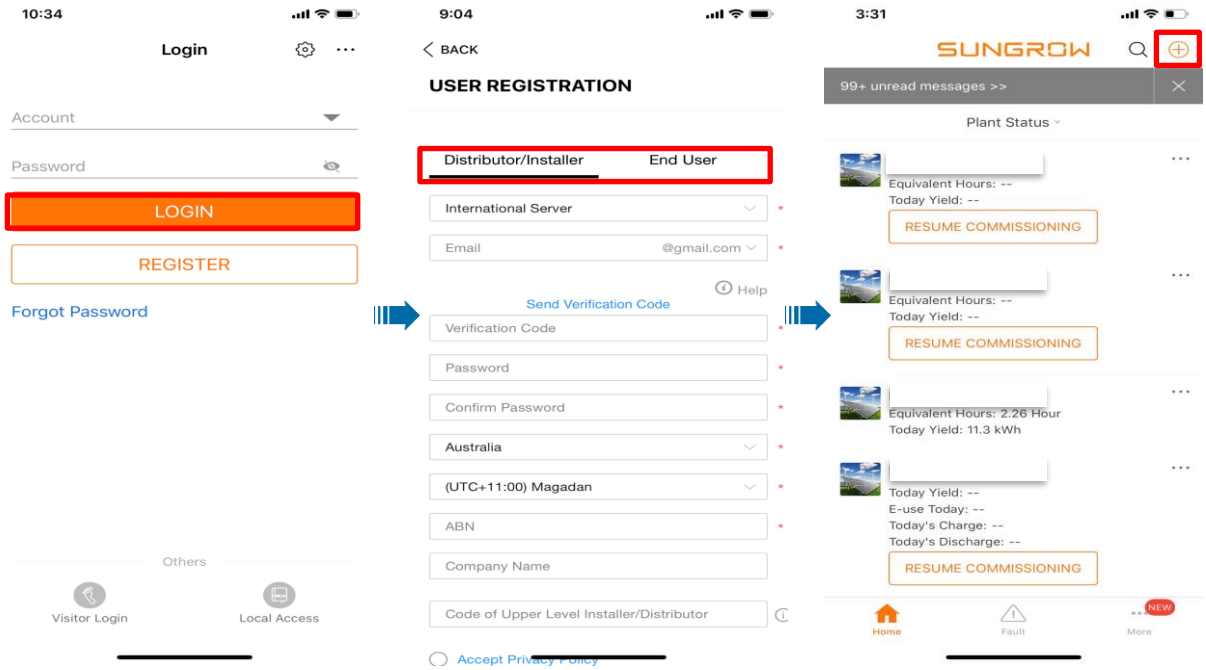
1. Download iSolarCloud App

Search iSolarCloud in App Store or Google Play Store or scan the QR code below to download and install iSolarCloud on the mobile.

2. Create Account and Plant

Open iSolarCloud, register an account if you do not have one. Choose the account type and complete registration. Login the account and click " ⊕ " on top right corner to create a new plant.



3. Starting Up the Inverter

3.1 Grid Initial Setting

Turn on the AC and DC switches to start up the inverter. Click the **Smart Config** button **THREE TIMES** on the WiNet, then make the mobile device connected with the 'SG-xxxxxxxxxx' Wi-Fi network. open iSolarCloud. Local Access -> WLAN ->Login inverter with the account "admin" and password "pw8888" -> Country/Region-> Australia (do not select other Australia networks) -> Network Service Provider -> Select the NSP, if not specified, select AS/NZS 4777.2:2015 -> Grid Type -> Select specific grid type -> TURN ON DEVICE

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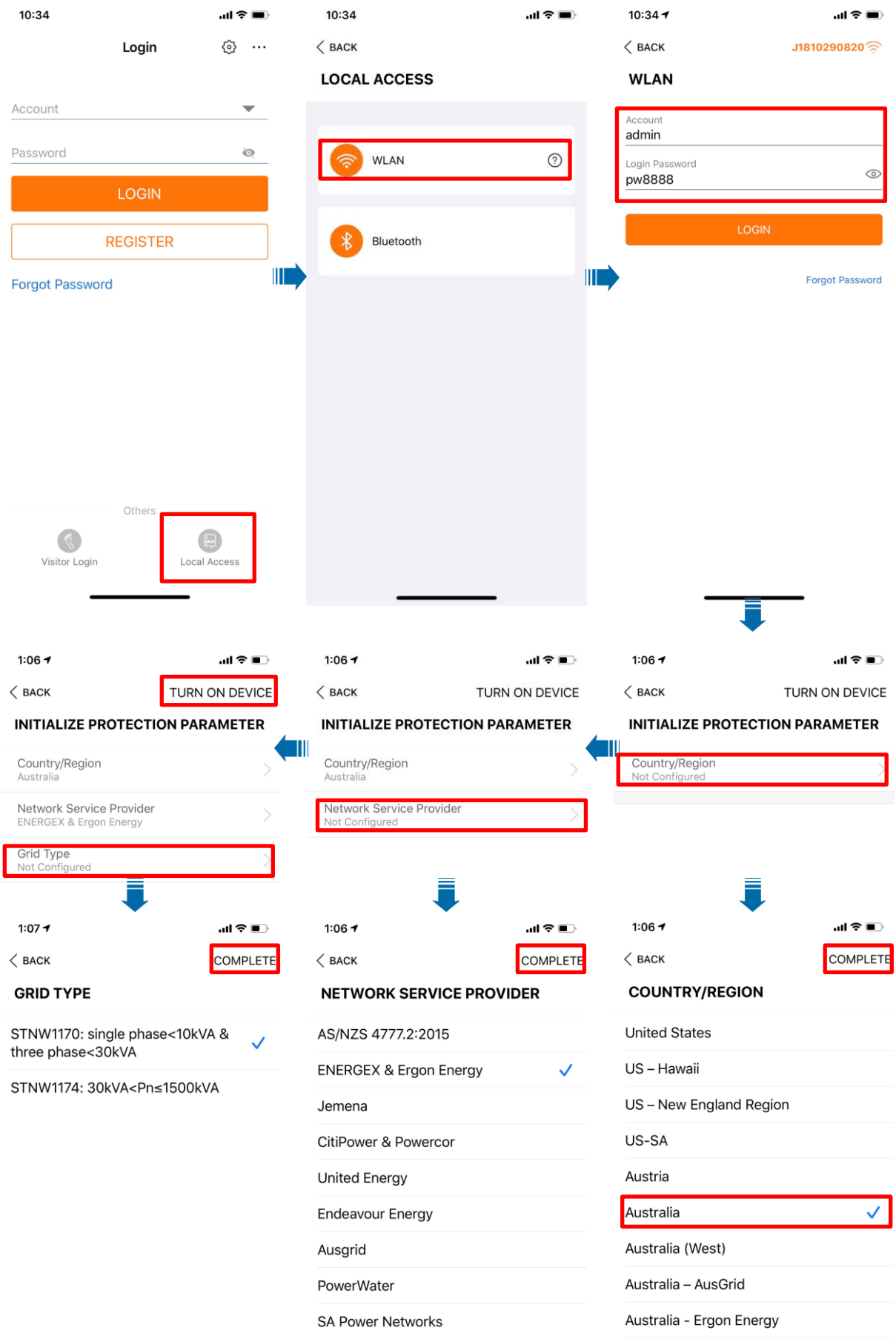

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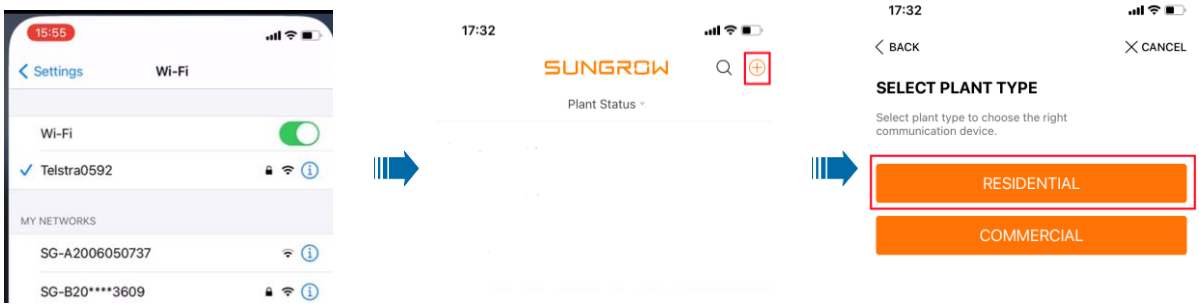
4. WiNet Configuration

4.1 Method 1

Step 1 Connect the mobile phone with the customer's home Wi-Fi network. **Please be aware of the WiNet dongle only compatible with 2.4G signal**. For example. make sure the mobile connected with Telstra0592 instead of Telstra0592-5G

Step 2 Open the APP iSolarCloud, login the account and click the top right PLUS icon to create an plant Select the **RESIDENTIAL** as plant type



Select **PV** as inverter type Select **WLAN** as internet access **Scan the QR code on the front of Wi-Net dongle**

Step 7 APP will pop up **EASYCONNECT INSTRUCTION** after scanning the EyeM4 QR code successfully. Press **Multifunctional Button** once on the WiNet to turn on the SmarConfig mode. Then click NEXT on the iSolarCloud APP.

Step 8 Check the home network name and enter the **home network password**. Make sure all details filled correctly then click **NEXT.**

Step 9 Wait for 15-20 seconds, APP will pop up the information to inform **SUCCESSFULLY CONNECTED.** Then you can click complited to finish the configuration.

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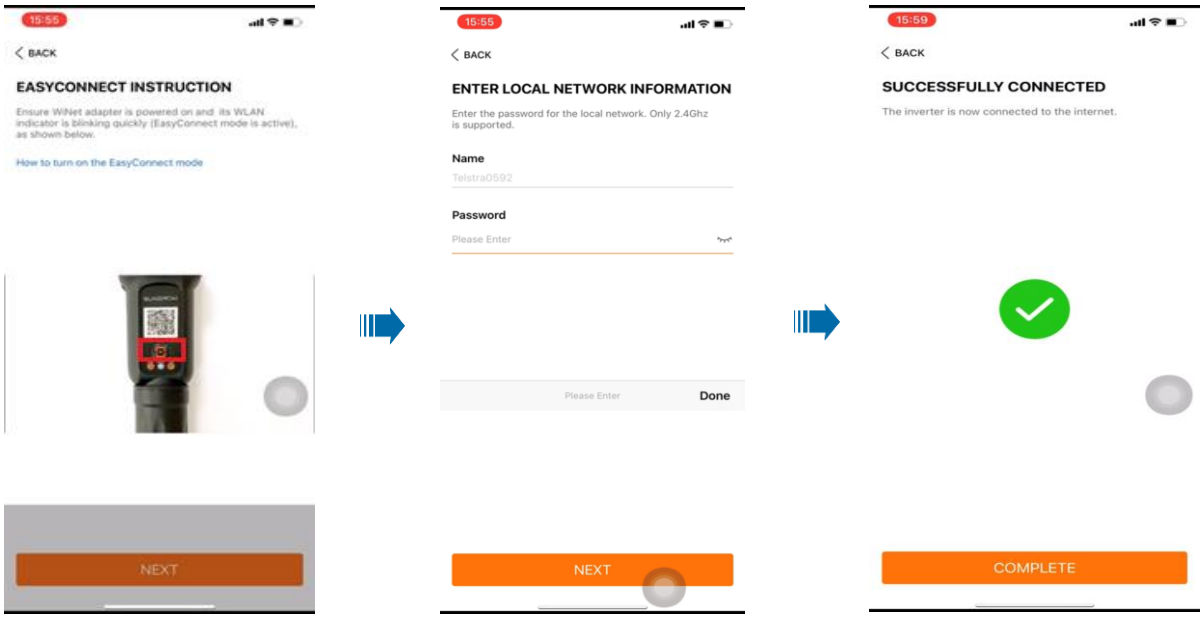
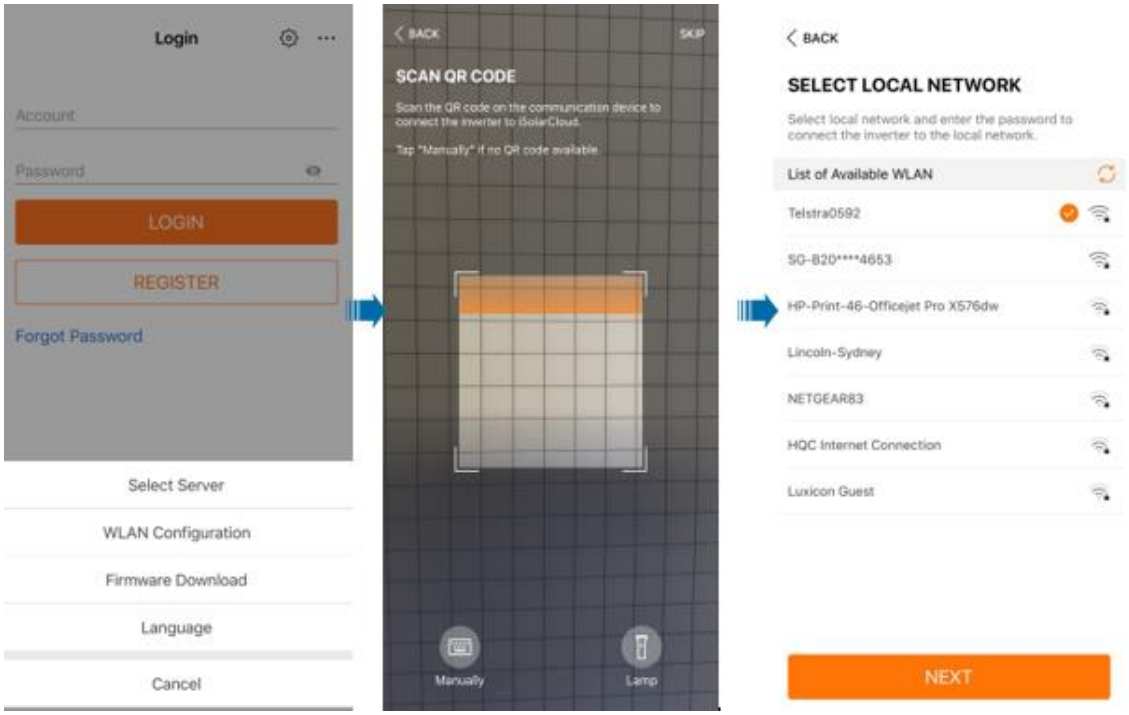


4.2 **Method 2**

Click the **Smart Config** button **THREE TIMES** on the WiNet, then make the mobile device connected with the 'SG-xxxxxxxxxxx' Wi-Fi network. Open iSolarCloud -> click " ⚙ " -> select "WLAN Configuration"-> Scan the QR code on the WiNet dongle -> select the WiFi network and put in the password.



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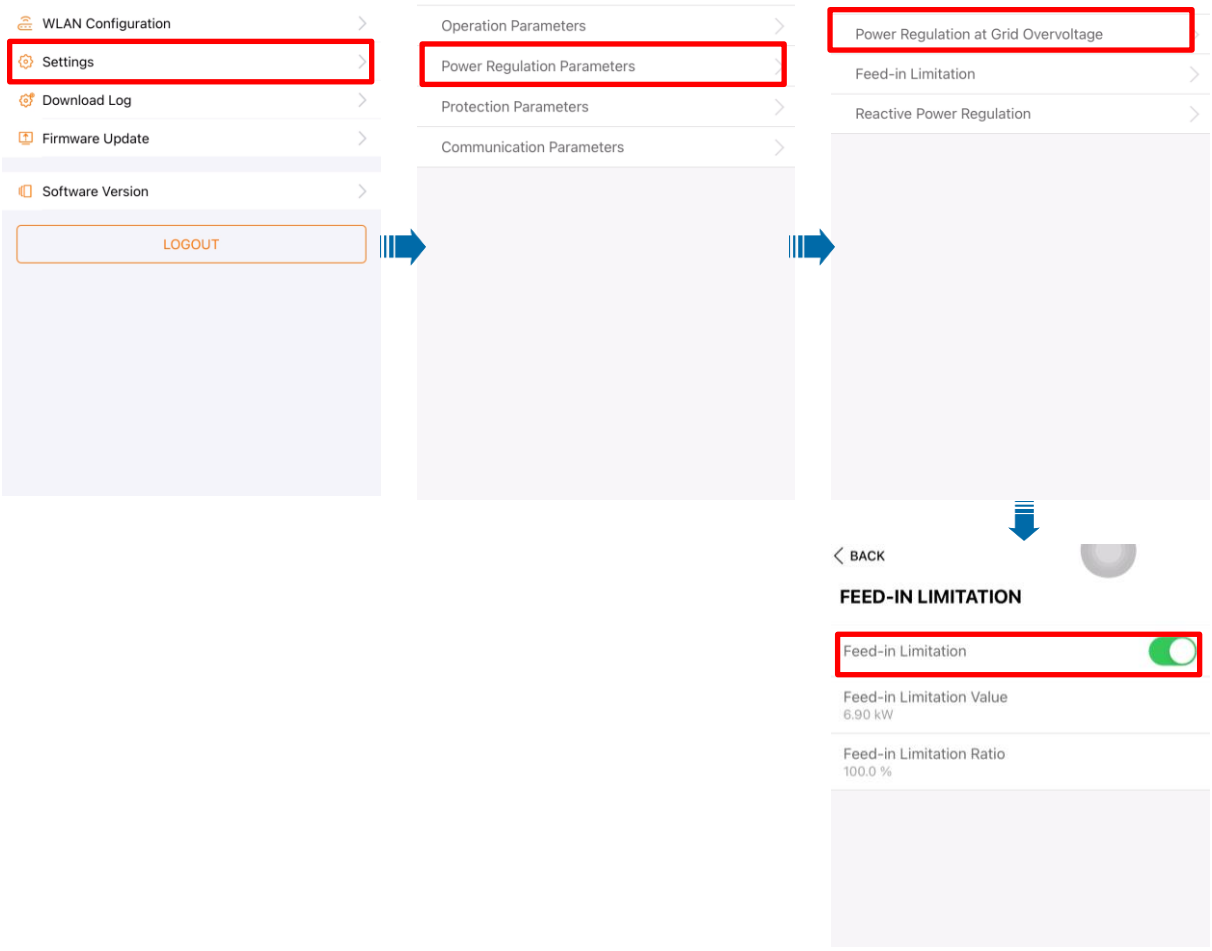
5. Export Limit Setting

Access the inverter through WLAN (Referring 4.2) -> Select “More”->Go to “Settings” -> “Power Control” -> “Zero-export” -> Turn zero-export “On” or select “Partial” if there is a limit -> Put the allowed feed-in power in “Total feed-in Power”.



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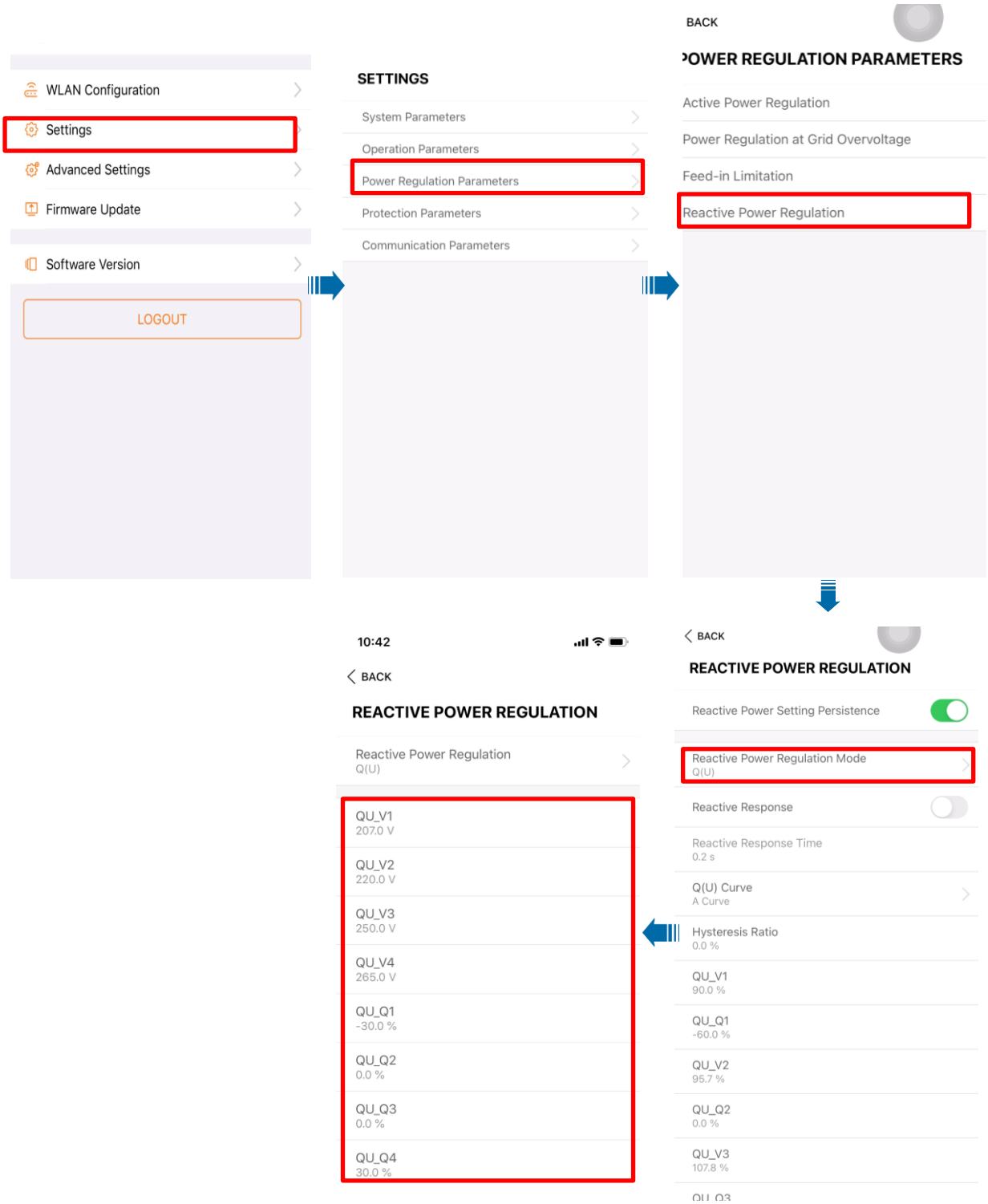
6. Power Response Mode Setting

6.1 Volt-Var Setting

Access the inverter through WLAN (Referring 4.2) -> Select “More”->Go to “Settings” -> “Power Regulation Parameters” -> “Reactive Power Regulation” -> Select “Reactive Power Regulation” to “Q(U)” -> Input the voltage levels and associate reactive power in percentage (%)



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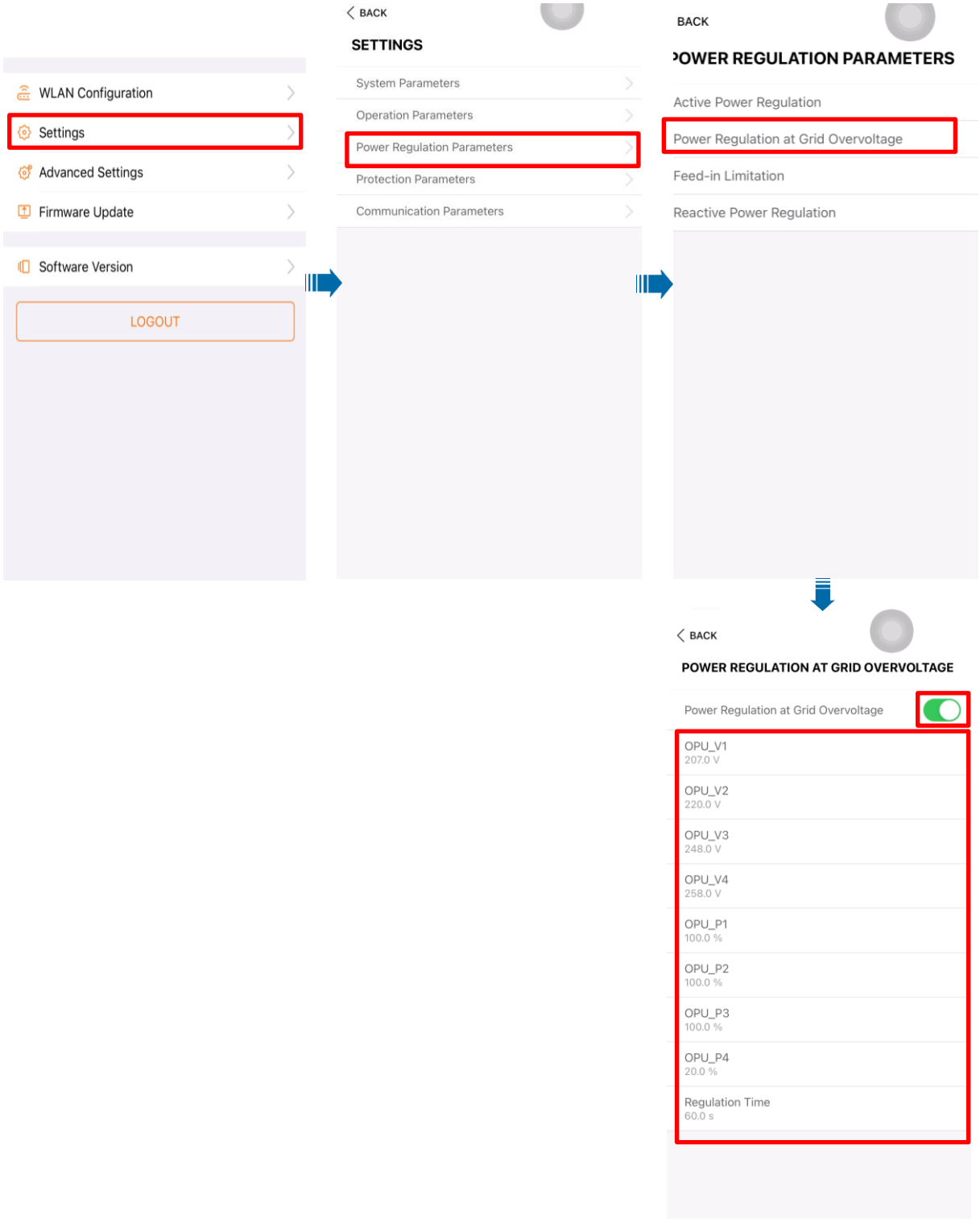
6.2 Volt-Watt Setting

Access the inverter through WLAN (Referring 4.2) -> Select “More” ->Go to “Settings” -> “Power Regulation Parameters”-> “Power Regulation at Grid Overvoltage” -> Turn on “Power Regulation at Over Voltage” -> Input the voltage levels and associate active power in percentage (%)



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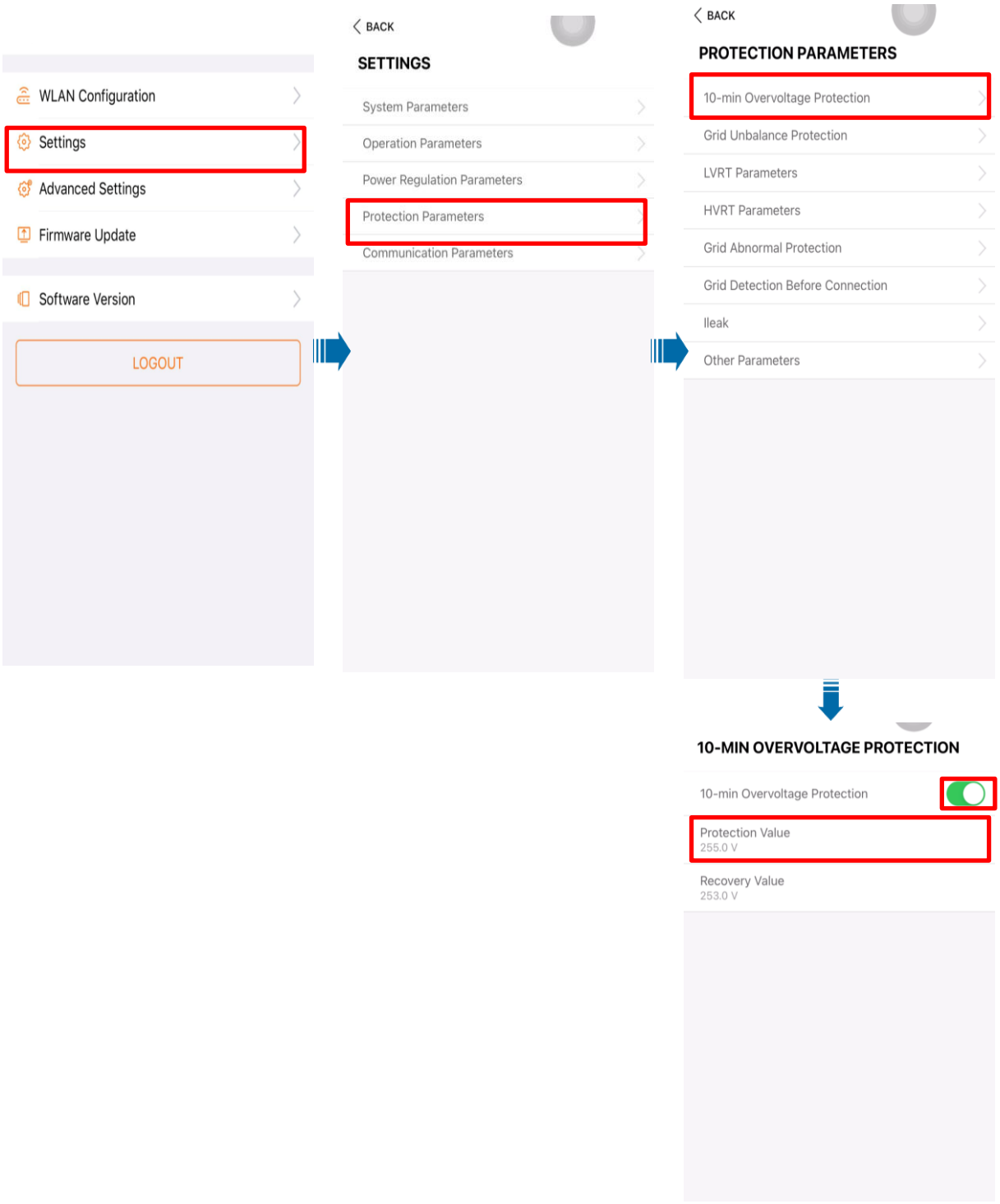
7. Overvoltage Protection Settings

Access the inverter through WLAN (Referring 4.2) -> Select “More” -> Go to “Settings” -> “Protection Parameters” -> “10-min Overvoltage Protection” -> Turn on “10-min Overvoltage Protection” -> Input the voltage in “Protection Value”

Note: the 10-min overtervoltage protection value can only be modified by a licenced electrician in accordance with DNSP’s requirments.



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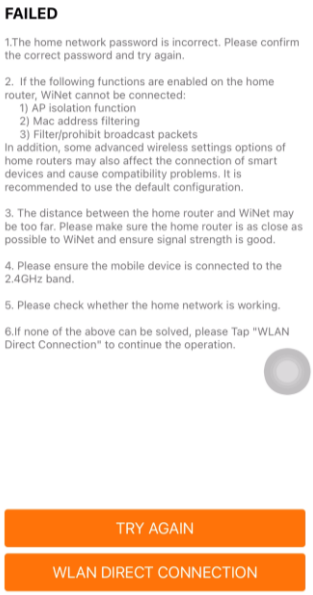
8. Common Issue

8.1 Cannot Find SG Signal

It would happen if the customer didn't click the **Multifunctional Button three times** before searching the SG network. The WiFi network should start like "SG-Yxxxxxxxxxx"

8.2 Configure Failure

If the customer didn't turn on the smart configure function (pressing the **Multifunctional Button** once) before the configuration, the APP would display the following information.



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