Sungrow G2 3 Phase PV Inverter Commissioning Guide

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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 " \oplus " on top right corner to create a new plant.

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Account		-					Plant Status -	
Password		Ø	Distributor/Installer	End User				
LC	OGIN		International Server		*		Today Yield:	
			Email	@gmail.com ∨			RESUME COMMISSIONING	
REC.	JSTER		Send Verification	Help			Equivalent Hours:	
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	Others		Company Name				RESUME COMMISSIONING	
Visitor Login	Local Acce	255	Code of Upper Level Instal	ler/Distributor	(i	Но	Fault	More

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 'SGxxxxxxxxx' Wi-Fi network. open iSolarCloud. Local Access -> WLAN ->Login inverter with the account "admin" and password "pw8888" -> Country/Region-> Others(50Hz) (select you related country if available) -> TURN ON DEVICE

*Note: Next page the sample for the country: AU

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SA Power Networks

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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.

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

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Settings Wi-Fi				Plant Status -	Q 🕀	SELECT PLANT TYPE	
Wi-Fi						communication device.	
✓ Telstra0592	ê 🗢 i					RESIDENTIAL	
MY NETWORKS						COMMERCIAL	
SG-A2006050737	? (j)					COMMERCIAL	
SG-B20****3609	a 🗢 i						

Select PV as inverter type Select WLAN as internet access Scan the QR code on the

front of Wi-Net dongle

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< васк	× CANCEL			SCAN QR CODE	
		< BACK	× CANCEL	Scan the QR code on the communicatio connect the inverter to iSolarCloud.	n device to
SELECT INVERTER	ТҮРЕ	INTERNET ACCES	S	Tap "Manually" if no QR code available.	
Select inverter type to choose communication device. Tap "PV" when all inverters of Tap "HYBRID" when the plan bybrid inverter.	se the right of the plant are PV inverters. nt has at least one	 Select how the inverter sh iSolarCloud.	nall connect to the internet and to		
nyunu invertei.	PV		WLAN		
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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-xxxxxxxx' Wi-Fi network. Open iSolarCloud -> click

" ⁽²⁾ " -> select "WLAN Configuration"-> Scan the QR code on the WiNet dongle -> se lect the WiFi network and put in the password.



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".

a WLAN Configuration	>	Operation Parameters	\rightarrow	Power Regulation at Grid Overvoltage
Settings	>	Power Regulation Parameters		Feed-in Limitation
🧭 Download Log	>	Protection Parameters	>	Reactive Power Regulation
Firmware Update	>	Communication Parameters		
C Software Version	>			
LOGOUT				,
				< BACK FEED-IN LIMITATION
				Feed-in Limitation Value 6.90 kW Feed-in Limitation Ratio 100.0 %

D. OK

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 (%)

	SETTINGS	POWER REGULATION PARAMETERS
WLAN Configuration		Active Power Regulation
Settings) Operation Parameters	Power Regulation at Grid Overvoltage
Advanced Settings	Power Regulation Parameters	Feed-in Limitation
Firmware Update	Protection Parameters	Reactive Power Regulation
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	10:42 < BACK REACTIVE POWER REGULATION Reactive Power Regulation QU_V1 207.0 V QU_V2 220.0 V QU_V2 220.0 V QU_V3 250.0 V QU_V4 255.0 V QU_Q1 -30.0 % QU_Q2 0.0 %	All All All All All All All All
	10:42 < BACK REACTIVE POWER REGULATION QU_V1 207.0 V QU_V2 220.0 V QU_V3 250.0 V QU_V3 250.0 V QU_V4 265.0 V QU_Q1 QU_Q1 0.0 % QU_Q2 0.0 %	Aul

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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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	SETTINGS	POWER REGULATION PARAMETERS
WLAN Configuration	System Parameters	Active Power Regulation
Settings	Operation Parameters	Power Regulation at Grid Overvoltage
🧭 Advanced Settings	Power Regulation Parameters	Feed-in Limitation
Firmware Update	Communication Parameters	Reactive Power Regulation
Software Version		
	•	
LOGOUT		
		1
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		POWER REGULATION AT GRID OVERVOLTAGE
		Power Regulation at Grid Overvoltage
		OPU_V1 207.0 V
		OPU_V2 220.0 V
		OPU_V3 248.0 V
		OPU_V4 258.0 V
		OPU_P1
		OPU_P2 100.0 %
		OPU_P4
		20.0 %
		60.0 s

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 local requirments.

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		SETTINGS		PROTECTION PARAMETERS
🚊 WLAN Configuration	\rangle	System Parameters		10-min Overvoltage Protection
Settings	>	Operation Parameters		Grid Unbalance Protection
Advanced Settings	>	Power Regulation Parameters		LVRT Parameters
		Protection Parameters	0	HVRT Parameters
Errmware Update	2	Communication Parameters	2	Grid Abnormal Protection
Software Version	>			Grid Detection Before Connection
				lleak
LOGOUT				Other Parameters
				•
				10-MIN OVERVOLTAGE PROTECTION
				10-min Overvoltage Protection
				Protection Value 255.0 V
				Recovery Value 253.0 V

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-Yxxxxxxxxx"



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.

