

# HORAN & BIRD

How to Set Up Wi-Fi Monitoring for Your Sungrow Inverter



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## Introduction

Congratulations on having your solar system recently installed by Horan and Bird!

Your Sungrow Inverter comes with the ability to remotely monitor your solar system on a computer or smart device, to enable you to see detailed readings such as string power production, daily production graphs and more.

This guide will help you set up and begin monitoring your installed Sungrow Inverter once the install has been completed, using Sungrow's monitoring system, iSolarCloud.



![](_page_3_Picture_1.jpeg)

## First Time Login

Once your install has been completed and your inverter is switched on and running, you will be able to log in via the iSolarCloud website or application to begin viewing your solar systems monitoring.

You will receive an email from Sungrow with your account details. Your username (email) and temporary password will be supplied to you. If you did not receive this email, please contact our office.

#### Accessing iSolarCloud on a computer or laptop

If using a computer or laptop, head to https://www.isolarcloud.com or alternatively type in "iSolarCloud" in your search engine browser and select the below link.

![](_page_3_Picture_7.jpeg)

Once you've clicked the link, enter your log-in details. Your log-in will be the email you've supplied and received correspondence from Horan and Bird throughout the process of your installation, and your temporary password will be sent to your email. This password can be changed after the initial log-in. Ensure the server is set to **"Australian Server"**.

iSolarCloud	Login © English →	
Your Clean Energy Source Percon Assistant	al 🔲 Australian Server 🤟	
	A YourEmail@Mail.com.auj	
	ŵ ~	
App Download -	Samamber Ma	
App Stor	Login	
Android	Forgot Password Guest No account? Register new	

![](_page_4_Picture_1.jpeg)

#### Accessing iSolarCloud on a smart device

If you wish to use a smart device such as an iPhone, navigate to the devices App store.

- For iPhones, this app is called "App Store"
- For android phones, this app is called "Play Store"

Once in the app store, using the search bar search for "iSolarCloud". Download the iSolarCloud mobile app to your device.

![](_page_4_Figure_7.jpeg)

Once the app has downloaded, you will see this app installed on the home screen of your smart device.

![](_page_4_Picture_9.jpeg)

![](_page_5_Picture_1.jpeg)

For first time use, you will be prompted to change your server. Select "SWITCH" and then select the "Australian Server" option.

You will then be taken to the log-in screen. Your log-in will be the email you've supplied and received correspondence from Horan and Bird throughout the process of your installation, and your password will be the one received via email. This password can be changed after the initial log-in.

Once you've entered the credentials, click LOGIN.

• App Dars 325yrs for 10 0x Account	Login	©	App Tares 200 per Tar 16 Oct     KACK  SELECT SERVER  Turner Antenna  International Server	🛥 45 8m 🖷 (
	LOGN REDISTER		Select Autores Chinese Server European Server	
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Wester Laught		Contrast Access		

• App Store 230 pm Tue 18 Oct	Login	
YourEmail@Mail.com.au		
Password		o.
	LOGIN	
	REDISTER	

Forgot Password

![](_page_6_Picture_1.jpeg)

## Navigating the Monitoring System

#### Using iSolarCloud on a computer or laptop

Once you have successfully logged in to your account, you will see your own Solar System overview, including technical parameters, generation details and power generation graphs.

In particular," Today Yield" will provide you with your daily solar generation each day, updated in real time. At the end of the day once the system has stopped producing, the "Today Yield" value will indicate the systems production throughout the entire day.

The "PV" graph will give you real time updates on the amount of kW power your solar system generates throughout the day. You may notice small downward spikes or sharp drops some days for short periods, but this is generally normal behaviour. This indicates a period in the day when sunlight is obscured by shade (clouds etc) and the systems production has momentarily dropped. It will spike back up to expected values once the sun is no longer obscured.

ඊ	< Back			]	5.0	45 kW	Today Cloudy 25-31*C
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e					(		
10		Today Re	venue	-			
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8	Device Information			]	-		0
ō	LA_ Curve	Real-time Power		Current Month's Vield		10 Total Vield	0
	A Fault	F 04F		155.2	01	155.2	1.1
÷	Plant Configuration	5.045 kw		100.3 kWb		133.3 kWh	1111c
9	Advanced	PV Installed Capacity	5 kWp	Revenue This Month	13.977 AUD	Total Revenue ③	13.977 AUD
D.	Firmware Update						
Ð		Day Month Year	Total < 2022/1	0/18 >			
		Power (W) 6,000		•**			4] ≡ 0
		3,000 4,000 3,000					V V
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		2022/10/18 00:00 2022/10/18 01:21	9 2022/10/18 02:40 2022/10/1	IB 04:00 2022/16/18 05:20 2022/10/18	06i40 2022/10/18 08i00 2022	/10/18/09/20 2022/10/18/10/40 203	2/10/18 12:00 2022/10/18 13:20
		CO. R	eduction 154.834 kg	Save Sta	indard Coal 62.741 kg	🥐 1	© ee BASA trees

![](_page_7_Picture_1.jpeg)

To check real time inverter technical parameter details, such as string currents, string voltages, power and other details, navigate to "Device Information", and then select your inverter.

ඊ	< Back	Device 5/N	Device Name	Device Type	Device Status	<b>Q</b>			
		SG5K-D_001_001 Inverter	•••• WiFi V Comm S/N:B2	31_001_247 unication Module 222101345					
G		Daily Yield	Work Sta	tus					
10.		3 kWh Total Active Power	OK						
0"	88 Overview	3.211 kW	WLAN SI	gnal Strength					
1	P Device Information	Associated Communi 5/N: B2222101345	cation Device						
۵									
0	A Fault								
	Rheet Cooling station								
	C Paul Companion								
	Settings								
	Firmware Update								
60									
G									
			F	SG5K-	D_001_001 Device Model: S	iG5K-D			×
Ge	neral Information Active	Fault Fault History	Chart						
Mea	asuring Point Parameter						Data Up	date Time: 2022-10-19 0	8:20 C
Ove	rview								
Daily	y Yield 3 kW	Vh 🔨	Total Active Power	3.211 kW	/ Total Yield	166.3 kWh 📈	Total DC Power	3.31 kW	$\sim$
Phas	se A Voltage 247.	1V 📈	Device Status	On-grid Operation	) Phase A Current	13.1 A 📈	Power Limitation Mode	Unlimited Power	O
Grid	Frequency 50.0	7 Hz 🔨	Total Power Factor	1	i i				
MP	PT Information			-					
	Volta	age	Current	1					
MPP	T1 259.	9 V 🔨	2.7 A 📈						
MPP	72 255	v v	10.2 A						
Dev	ice Information								
Curre	ent Status Norm	nal	Device Name	SG5K-D_001_001	Device Model	SG5K-D	Commissioning Date	2022-10-14	
Manu	ufacturer SUNG	GROW	S/N						

This section will provide you with real time inverter technical parameter details, such as string currents, string voltages, temperature, power and many others.

Being vigilant and checking these values often is vital in ensuring the system is operating as expected on a daily basis.

![](_page_8_Picture_1.jpeg)

#### Using iSolarCloud on a smart device

Once you have successfully logged in to your account, you will see your own Solar System overview, including technical parameters, generation details and power generation graphs.

In particular," Today Yield" will provide you with your daily solar generation each day, updated in real time. At the end of the day once the system has stopped producing, the "Today Yield" value will indicate the systems production throughout the entire day.

The "PV" graph will give you real time updates on the amount of kW power your solar system generates throughout the day. You may notice small downward spikes or sharp drops some days for short periods, but this is generally normal behaviour. This indicates a period in the day when sunlight is obscured by shade (clouds etc) and the systems production has momentarily dropped. It will spike back up to expected values once the sun is no longer obscured.

![](_page_8_Figure_6.jpeg)

![](_page_9_Picture_1.jpeg)

To check real time inverter technical parameter details, such as string currents, string voltages, power and other details, navigate to "Device", and then select your inverter.

1:21 pm Thu 20 Oct < BACK						al 🗢 91% 🖿
		SG5K-D_001_001				
Overview Device Fault		General Information	Active Fault	Fault History	Curve	Yield Information
All Inverter Communication Module	Filter 🟹		Data Updat	e Time: 2022-10-20 13	20-00	
CEK D 001 001		Device Status 🛛 🧟				
Inverter SIN		Parameters				
Daily Yield: 12 kWh		Overview				~
Total Active Power: 1.493 kW		Daily Yield		12		kWh
Associated Communication Device S/N:		Total Active Power		1.493		kW
WiFi V31_001_247		Total Yield		206.8		kWh
Communication Module S/N Work Status: OK		Total DC Power		1.493		kW
WLAN Signal Strength: 👳		Phase A Voltage		244.4		v.
		Device Status		On-grid Operation		
		Phase A Current		6		٨
		Power Limitation Mode		Unlimited Power		
		Grid Frequency		50.04		Hz
		Total Power Factor		1		
		MPPT Information				^
				Voltage(V)		Current (A)
		MPPT1		265.5		2.9
		MPPT2		264.7		2.6
		Device Information				
		Device Name:				
		Commissioning Date:				
		Device Model: SG5K-D				
		S/N:				
		Manufacturer: SUNGROW				

This section will provide you with real time inverter technical parameter details, such as string currents, string voltages, temperature, power and many others.

Being vigilant and checking these values often is vital in ensuring the system is operating as expected on a daily basis.

![](_page_10_Picture_1.jpeg)

## **Changing the Password**

#### Changing the password in iSolarCloud on a computer

Once you have logged in with the initial generated password, you have the option to change password. To do this, select the "My Account" symbol in the bottom left of the screen, and then select "Account and Security".

ඊ	< Back				5.0	47 kW	Today CS Rain 25-32°C
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G	6	Today	y Revenue		(		
ات. 10*		0.9	9 AUD				
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	Elli seconda	PV Installed Capacity	5 kWp	Revenue This Month	27.693 AUD	Total Revenue	27.693 AUD
		Day Month Year	Total < 2022/1	0/24 >			
0		Prover (W) 5,000		. Py			
G		0.000.0					

ඊ iSolarCloud		Profile			
ORM		Basic Information			
A Fault	82181201455	Nickname	User 10 ① : 2	User Role Owner	
Report	avbm0p5m6c	Country/Region	Time Zone		
@ Advanced >	Profile	Australia	(UTC + 10:00)Brisbane		
Info	My Service Provider Account and Security				
Help >	Notification				
	General Settings				
Account					6
G Logout			Saw		

This will open a new tab in your internet browser.

![](_page_11_Picture_1.jpeg)

Once the new tab has been opened, select "Account Password", and then set your new password as required.

SolarCloud ~   Account and Security	
The Importance of Safety Cannot Be over Emphasized	
Email Can be used to log into EstarCloud and reset password	End.
Account Password Must be no less than 8 digits long and contain at least one Aready Set letter and one number Aready Set	Modify
Delete Account Delete the account will permanently delete all relevant information of the account and the account cannot be recovered.	Delete Account
Copyright © Sungrow2022 All Rights Reserved.	
<b>送 iSolarCloud ~</b>   Account and Security	
Account and Security / Account Password	
Clid Password New Password Confirm New Password Forgot Original Password Forgot Original Password	

#### Changing the password in iSolarCloud on a smart device

To change password on a smart device, start at the home screen. Select "more" and then the "Settings" tab.

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			SUNG	NDS	Q 🕀			MORE	
G unread n	nessages >>				×				
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![](_page_12_Picture_1.jpeg)

In settings, select "Account and Security", and then "Account Password". Once clicked, follow the prompts to change the password as required.

11:17 am Mon 24 Oct	al 🗢 92% 🔳
< back	
SETTINGS	
General	
Report Push	
Account and Security	>
Notification	
Application Sharing	
Declaration	
About	
Website	

LOGOUT

![](_page_12_Picture_5.jpeg)

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![](_page_13_Picture_0.jpeg)

## HORAN & BIRD EVERYDAY ENERGY SOLUTIONS

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 $\mathsf{QLD}\,\cdot\,\mathsf{NSW}\,\cdot\,\mathsf{VIC}\,\cdot\,\mathsf{WA}$