

**HORAN & BIRD**  
EVERYDAY ENERGY SOLUTIONS

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





## 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.





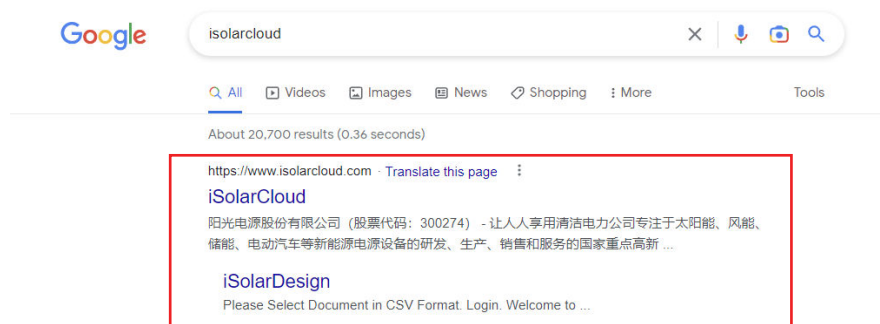
## First Time Login

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.



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"**.







## Accessing iSolarCloud on a smart device

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

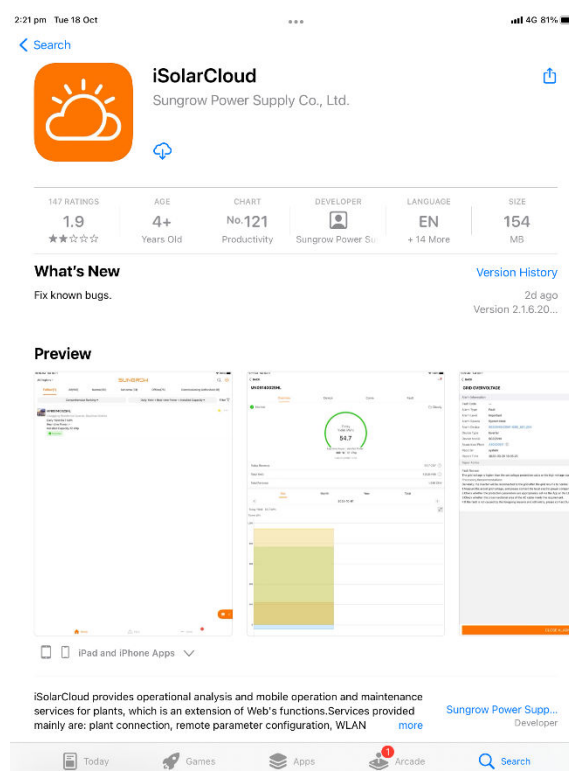
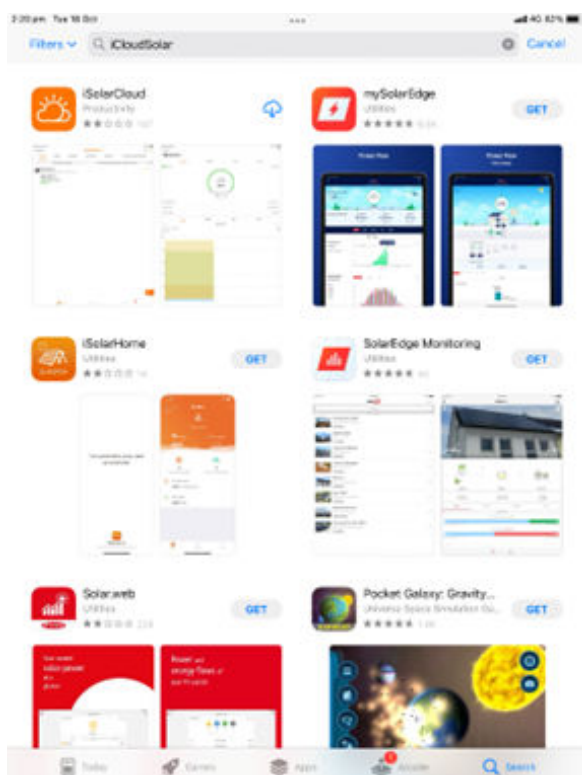
- For iPhones, this app is called “App Store”



- 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.



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

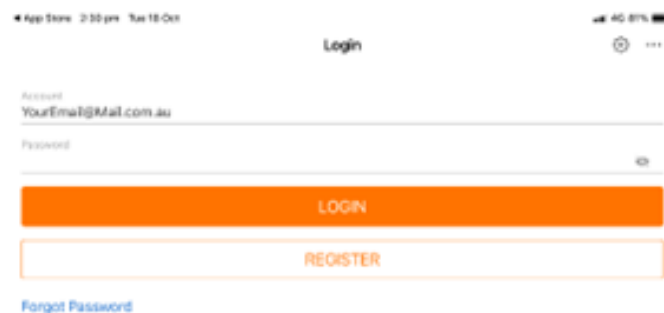
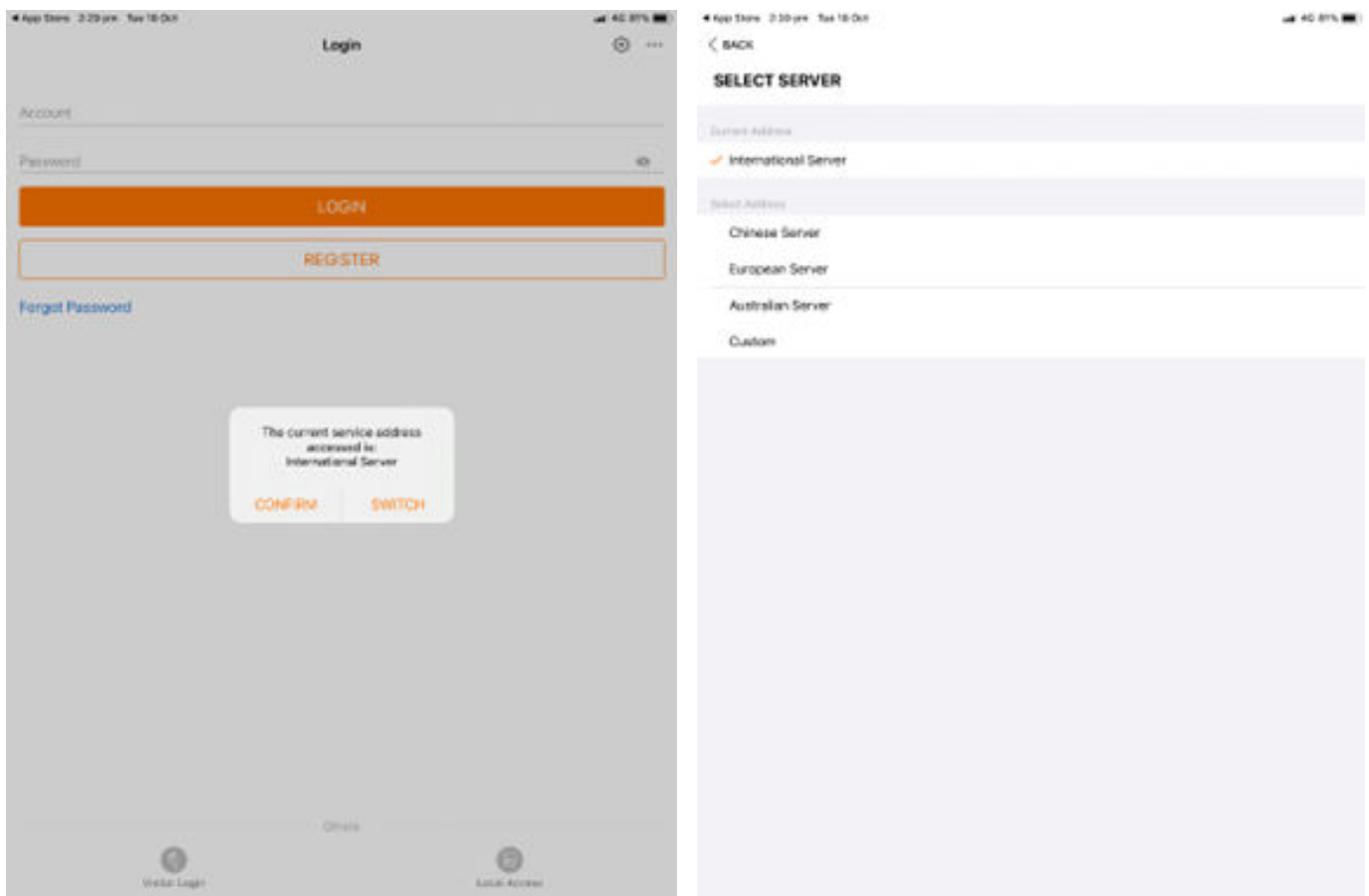




For first time use, you will be prompted to change your server. Select “SWITCH” and then select the “Australian Server” option.

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.





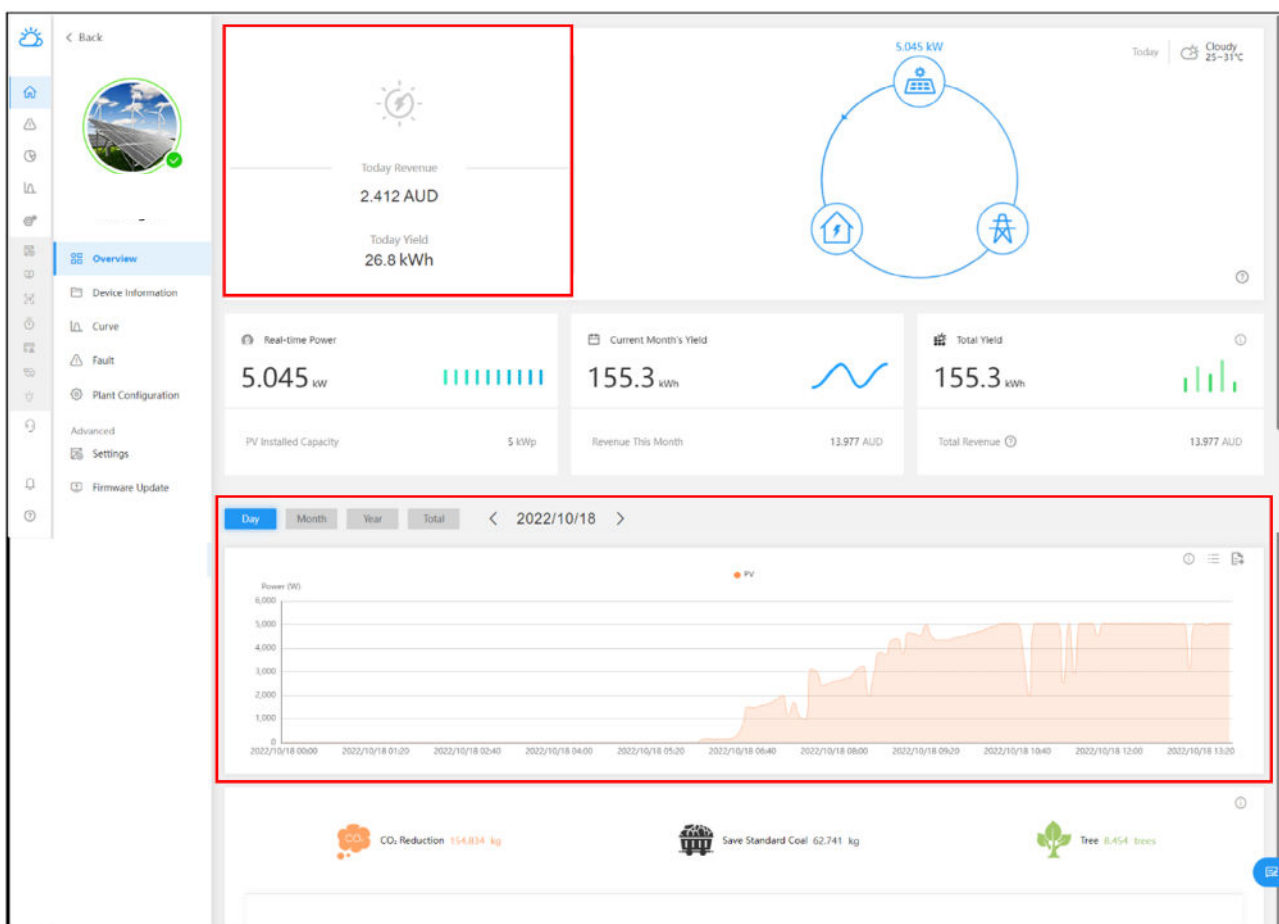
## Navigating the Monitoring System

### *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.

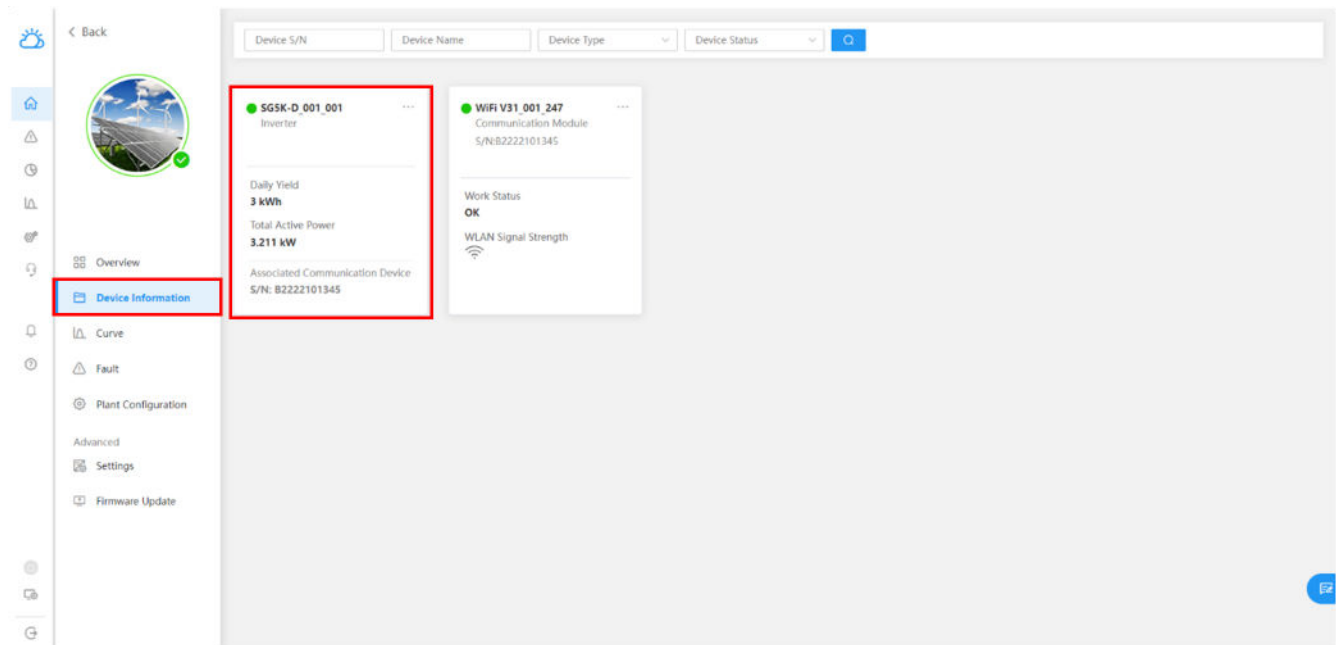
In particular, "Today Yield" will provide you with your daily solar generation each day, updated in real time. At the end of the day once the system has stopped producing, the "Today Yield" value will indicate the systems production throughout the entire day.

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.





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.



SG5K-D\_001\_001

Plant Name: Device Model: SG5K-D

General Information

Active Fault

Fault History

Chart

Measuring Point Parameter

Data Update Time: 2022-10-19 08:20

Overview

Daily Yield	3 kWh		Total Active Power	3.211 kW		Total Yield	166.3 kWh		Total DC Power	3.31 kW	
Phase A Voltage	247.1 V		Device Status	On-grid Operation		Phase A Current	13.1 A		Power Limitation Mode	Unlimited Power	
Grid Frequency	50.07 Hz		Total Power Factor	1							

MPPT Information

	Voltage		Current	
MPPT1	259.9 V		2.7 A	
MPPT2	255 V		10.2 A	

Device Information

Current Status	Normal	Device Name	SG5K-D_001_001	Device Model	SG5K-D	Commissioning Date	2022-10-14
Manufacturer	SUNGROW	S/N					

Repair

[Repair](#)

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.



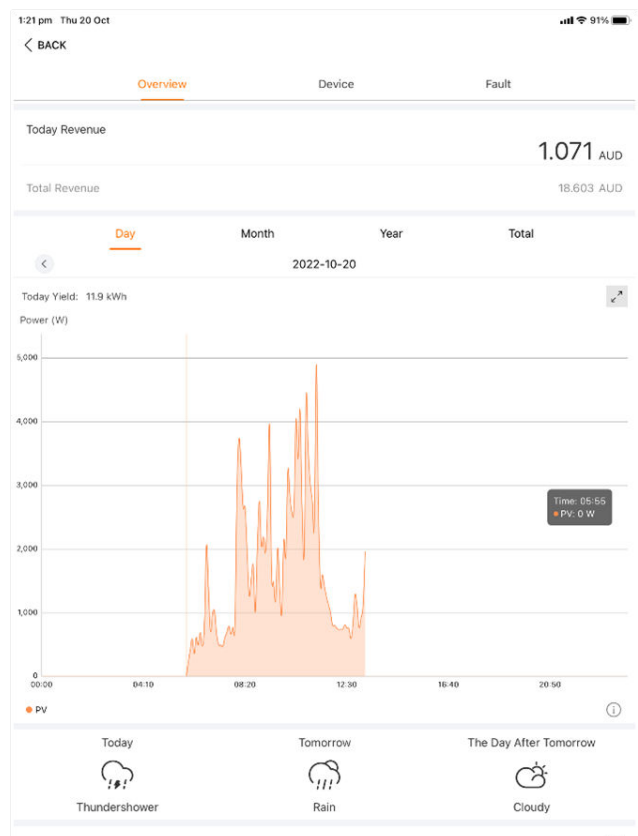
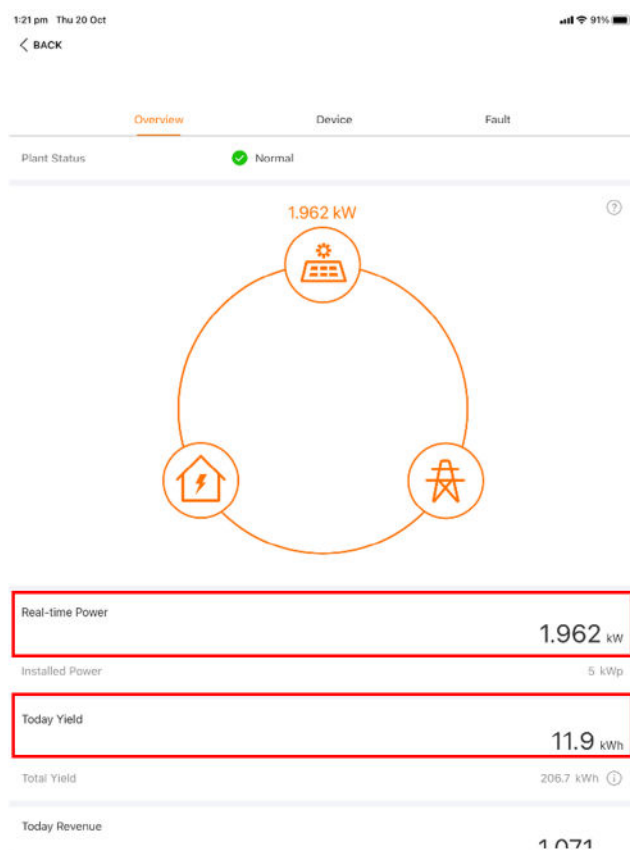


## Using iSolarCloud on a smart device

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.

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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.

The first screenshot shows the app's main menu with tabs for Overview, Device, and Fault. The 'Device' tab is selected and highlighted with a red box. Below the tabs, a list of devices is shown. The first device, SG5K-D\_001\_001, is highlighted with a red box. It shows a green status icon, the device name, and summary statistics: Daily Yield: 12 kWh, Total Active Power: 1.493 kW, and Associated Communication Device S/N: .

The second screenshot shows the detailed technical parameters for the selected inverter SG5K-D\_001\_001. The 'General Information' tab is selected. The data is organized into sections: Device Status (On-grid Operation), Parameters Overview, MPPT Information, and Device Information.

Parameters Overview		
Daily Yield	12	kWh
Total Active Power	1.493	kW
Total Yield	205.8	kWh
Total DC Power	1.493	kW
Phase A Voltage	244.4	V
Phase A Current	6	A
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.

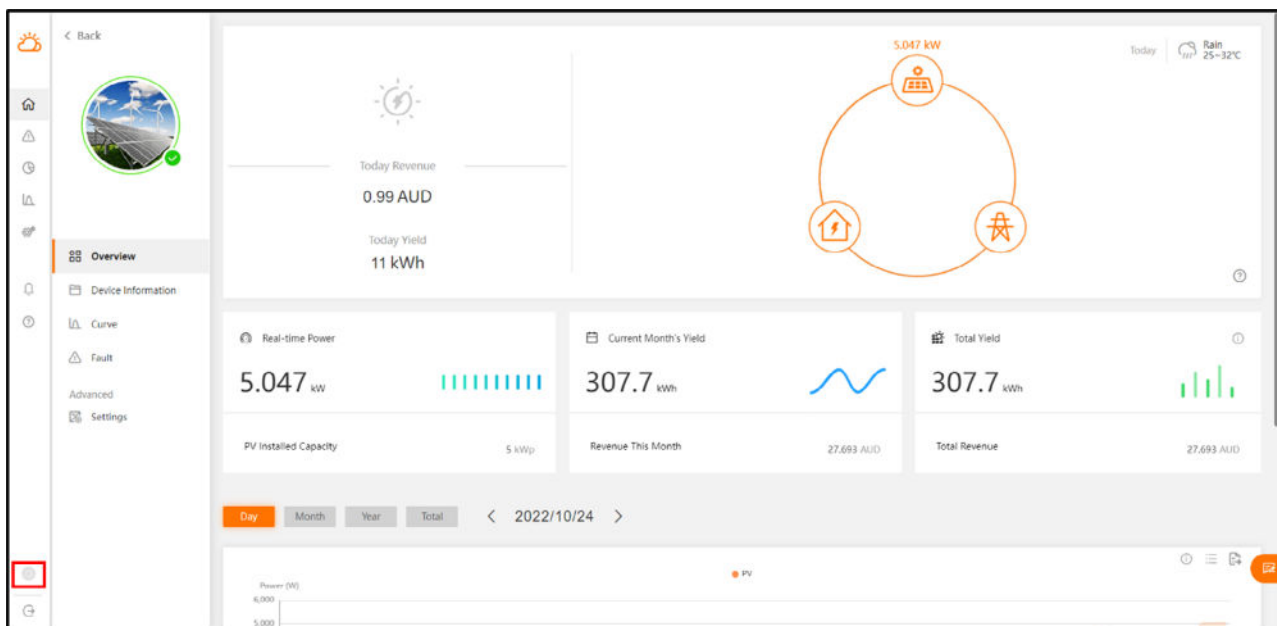
Being vigilant and checking these values often is vital in ensuring the system is operating as expected on a daily basis.



## 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”.

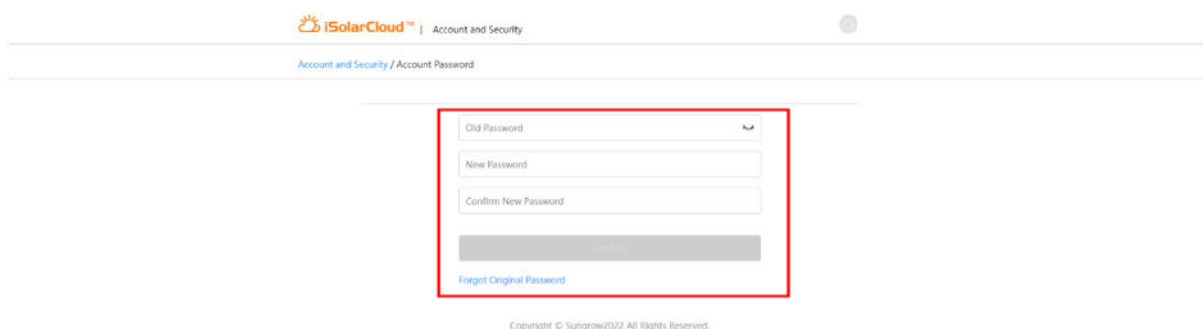
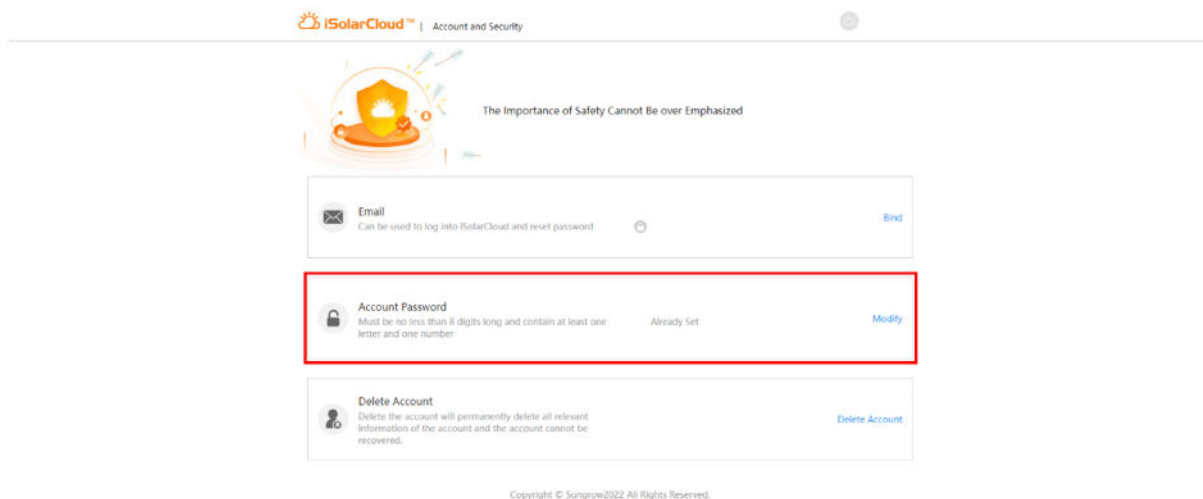


The screenshot shows the 'Profile' page in iSolarCloud. The left sidebar contains navigation options like Home, Fault, Report, Curve, Advanced, Message Center, and Help. The main content area is titled 'Profile' and includes a 'Basic Information' section with fields for Nickname, User ID, User Role, Country/Region, and Time Zone. A red box highlights the 'Account and Security' option in the left sidebar menu. A 'Save' button is visible at the bottom right of the page.

This will open a new tab in your internet browser.

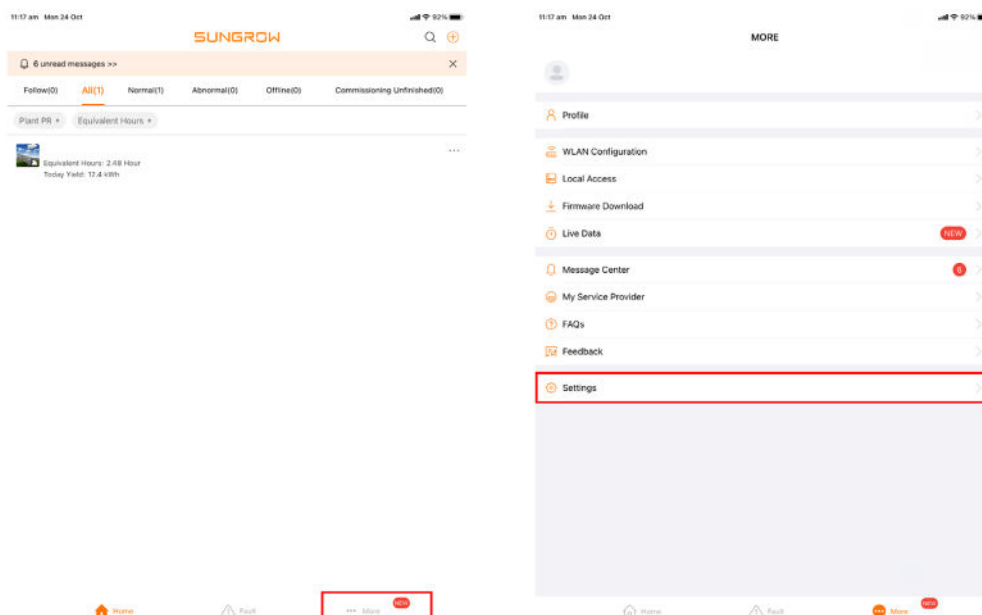


Once the new tab has been opened, select “Account Password”, and then set your new password as required.



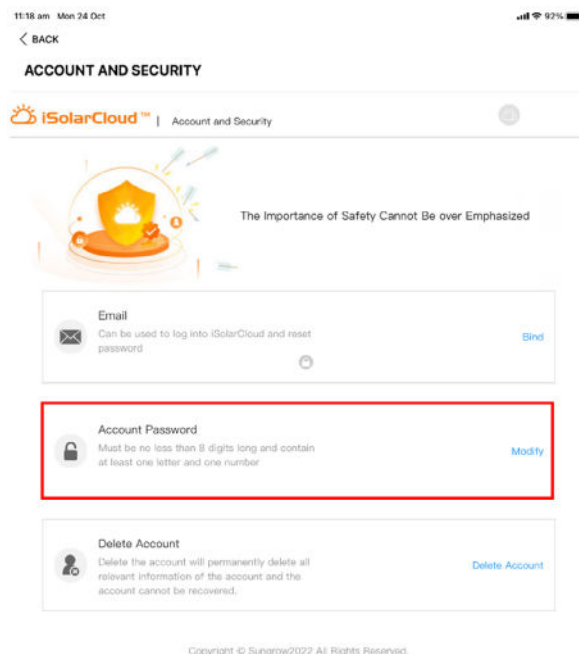
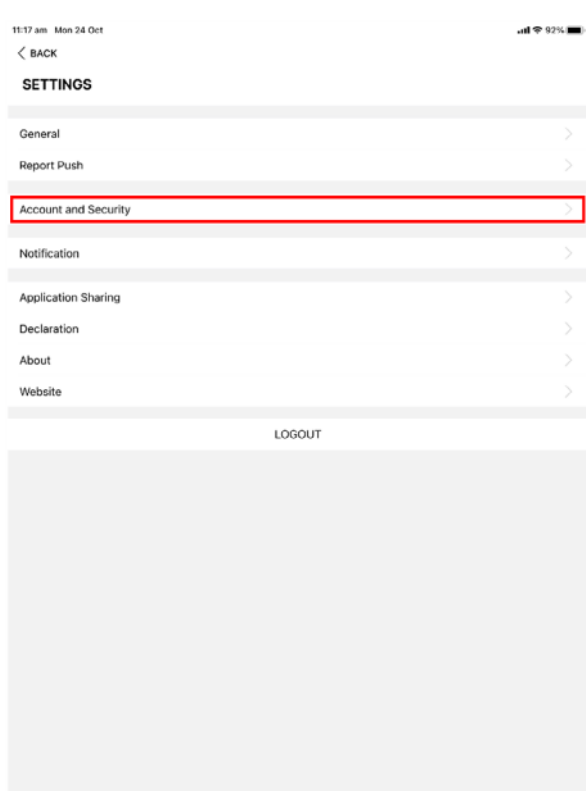
## Changing the password in iSolarCloud on a smart device

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

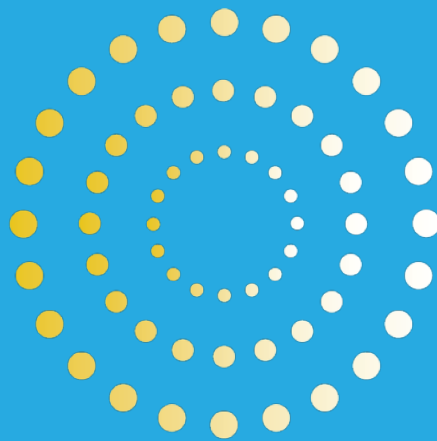




In settings, select “Account and Security”, and then “Account Password”. Once clicked, follow the prompts to change the password as required.







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