

User Manual

SEMS+ App

V1.0-2024-12-10

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NOTICE

The information in this user manual is subject to change due to product updates or other reasons. This guide cannot replace the notices and warnings of the device unless otherwise specified. All descriptions in the manual are for guidance only.

1 About This Manual




1.1 Overview

This manual introduces commonly used operations in SEMS+ App.

1.2 Target Audience

This manual applies to end user or trained and knowledgeable technical professionals. The technical personnel has to be familiar with the product, local standards, and electric systems.

1.3 Symbol Definition

 DANGER
Indicates a high-level hazard that, if not avoided, will result in death or serious injury.
 WARNING
Indicates a medium-level hazard that, if not avoided, could result in death or serious injury.
 CAUTION
Indicates a low-level hazard that, if not avoided, could result in minor or moderate injury.
NOTICE
Highlights key information and supplements the texts. Or some skills and methods to solve product-related problems to save time.

2 Product Introduction

SEMS+ App is a monitoring platform to manage power stations and devices, and check the operating data and alarming information of the power station.

2.1 Applicable Products

SEMS+ App can be used to monitor and manage GoodWe products, such as inverters, smart meters, smart loggers,chargers, batteries and so on.

2.2 Downloading and Installing the App

Make sure that the mobile phone meets the following requirements:

- Operating system: Android 6.0 or later, iOS 13.0 or later.

- Internet connection via browser.
- WLAN/Bluetooth capabilities.

Download Methods:

Method I

Search SEMS+ on Google Play (Android) or App Store (iOS) to download and install the App.

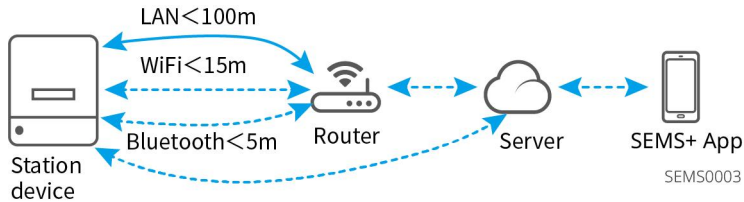


Method II

Scan the QR code below to download and install the App.



2.3 App Connection



2.4 Setting Language and Server

NOTICE

The server is automatically matched based on login account information. To set it manually, ensure that the selected region matches the region of the account. Otherwise, login may fail.

Select the language and the server based on the actual situation.

SEMS0004

1 Language Server

2 English ✓

3 Americas
AUS/NZ & Oceania
Europe
Other ✓

2.5 Managing the Account

2.5.1 Registering an Account

NOTICE

SEMS+ App only supports registration of end user accounts. For accounts such as administrators, installers, or market personnel, register through the [GOODWE SEMS PORTAL](#).

SEMS0005

1 Register Now!

2 Area*
Please Select
Email*
Enter your Email address

3 Next

4 Password*
Confirm your Password*

5 Next

6 Country/Region*
Date Format*
Number Format*
Currency*
Temperature Format*

7 Completed

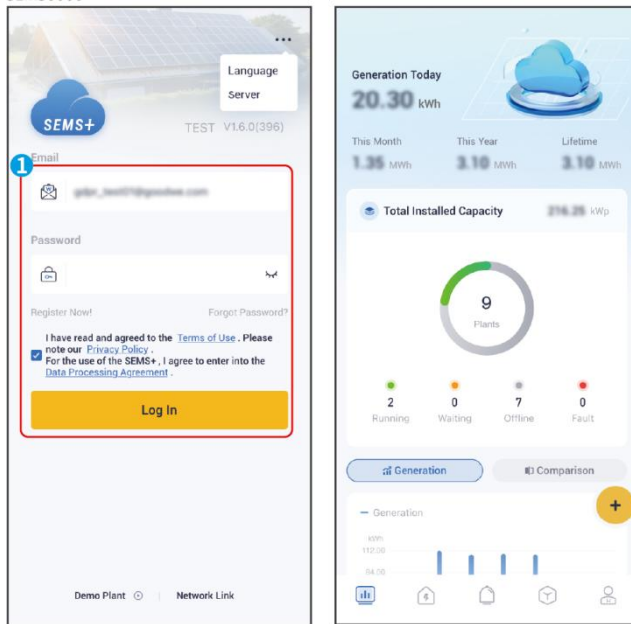
2.5.2 Logging in to the App

NOTICE

- Register an account or obtain an account from your dealer before logging in.
- Check and manage power station after logging in. The actual interface takes precedence.

Step 1 Enter the username and password, read and agree to the login agreement. Tap **Log In**.

SEMS0006

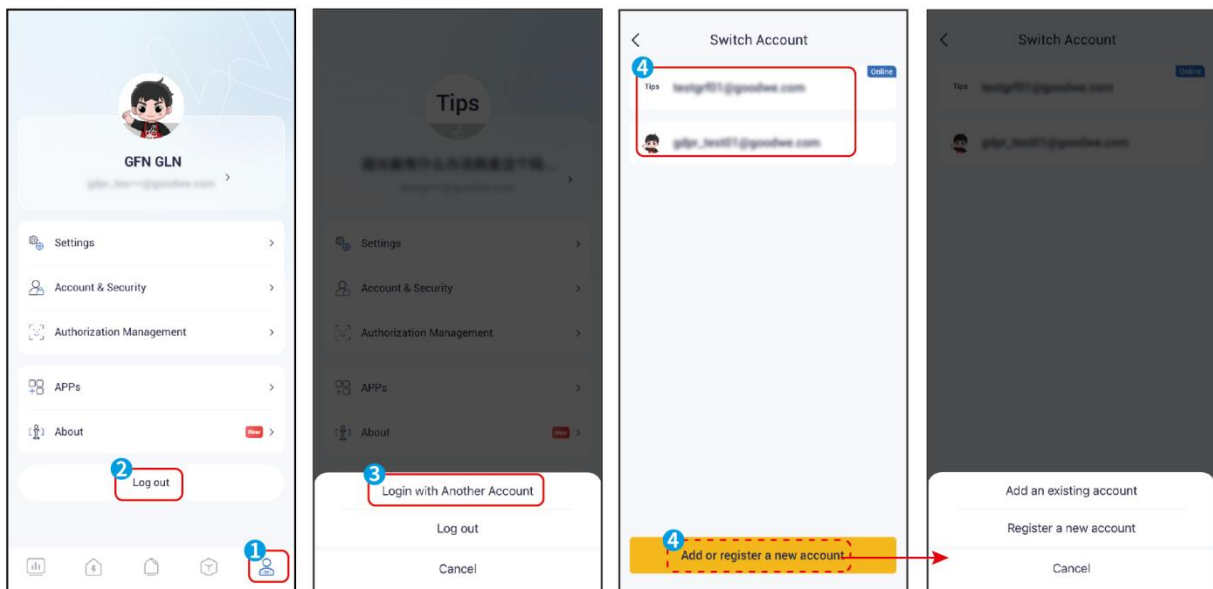


2.5.3 Switching Accounts

Step 1 Go to **My** tab, and tap **Log Out** > **Log with Another Account**.

Step 2 Select an already added account or add a new account based on actual needs.

SEMS0007

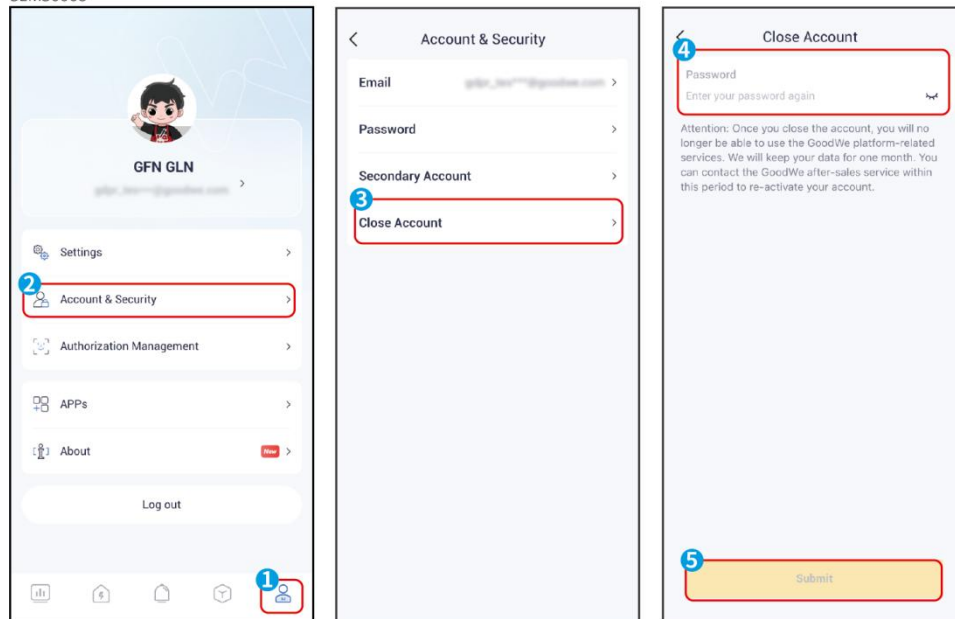


2.5.4 Deleting an Account

Step 1 Go to **My** tab and tap **Account&Security**.

Step 2 Tap **Close Account**, input the account password, and **Submit**.

SEMS0008



2.5.5 Account Permission Descriptions

The SEMS+ App supports various types of accounts with different permissions. Refer to the table below for details.

Primary menu	Submenu	Third-Level Menu	Fourth-Level Menu	Fifth-Level Menu	Permissions
Login & Register	-	-	-	-	Administrator, Technician, Browser, End User, Visitor
Overview	Monitoring Information	-	-	-	Administrator, Technician, Browser, End User, Visitor
	Create Station	-	-	-	Administrator, Technician, End User, Visitor
Station	Station List	-	-	-	Administrator, Technician, Browser, End User, Visitor
	Station Details	Monitoring Information	-	-	Administrator, Technician, Browser, End User, Visitor
		Device	Add Device	-	Administrator, Technician, End User

			Device List	Search Device	Administrator, Technician, Browser, End User, Visitor
				Replace Device	Administrator, Technician, End User
				Edit Device	Administrator, Technician, End User
				Delete Device	Administrator, Technician, End User
			Device Details	Device Monitoring Info	Administrator, Technician, Browser, End User, Visitor
				Device Remote Control	Administrator, Technician, End User
				Device Remote Upgrade	Administrator, Technician
		Alarms	-	-	Administrator, Technician, Browser, End User, Visitor
		Station Configuration	Edit Station	-	Administrator, Technician, End User
			Delete Station	-	Administrator, Technician, End User, Visitor
			Replacement History	-	Administrator, Technician, Browser, End User
			User Information	-	Administrator, Technician, End User
			Home Configuration	-	Administrator, Technician, Browser, End User, Visitor
	Create Station	-	-	-	Administrator, Technician, End User and Visitor

Alarm	-	-	-	-	Administrator, Technician, Browser
Services	Services	Warranty	-	-	Administrator, Technician, Browser, End User, Visitor
		Report Center	-	-	Administrator, Technician, Browser, End User
		GoodWe News	-	-	Administrator, Technician, Browser, End User, Visitor
		Announceme nts	-	-	Administrator, Technician, Browser, End User, Visitor
		Community	-	-	Administrator, Technician, Browser, End User, Visitor
	Tools	Create Station	-	-	Administrator, Technician, End User and Visitor
		Network Link	-	-	Administrator, Technician, Browser, End User, Visitor
		DNSP	-	-	Administrator, Technician, Browser, End User, Visitor
	Help	-	-	-	Administrator, Technician, Browser, End User, Visitor
My	User Profile	-	-	-	Administrator, Technician, Browser, End User, Visitor
	User Information	-	-	-	Administrator, Technician, Browser, End User, Visitor
	Setting	-	-	-	Administrator, Technician, Browser, End User, Visitor

	Account Security	Email	-	-	Administrator, Technician, Browser, End User, Visitor
		Password	-	-	Administrator, Technician, Browser, End User, Visitor
		Secondary Account	-	-	Administrator, Technician, Browser
		Close Account	-	-	Administrator, Technician, Browser, End User, Visitor
	Auth Management	Remote Control Auth	-	-	Administrator, Technician, Browser, End User, Visitor
		Monitoring Auth	-	-	End User
	Apps	-	-	-	Administrator, Technician, Browser, End User, Visitor
	About	-	-	-	Administrator, Technician, Browser, End User, Visitor
	Logout	Logout	-	-	Administrator, Technician, Browser, End User, Visitor
		Login another Account	-	-	Administrator, Technician, Browser, End User, Visitor

3 Setting the Network Information

The SEMS+ App allows connecting devices via Bluetooth or WiFi and configuring network parameters to realize remote monitoring or management.

NOTICE

The device name varies depending on the inverter model or smart dongle model.

- Wi-Fi/LAN Kit, Wi-Fi Kit, Wi-Fi Box: Solar-WiFi***
- WiFi/LAN Kit-20: WLA-***
- WiFi Kit-20: WFA-***
- Ezlink3000: CCM-BLE***, CCM-***, ***
- 4G Kit-CN-G20/4G Kit-CN-G21: GSA-***, GSB-***
- AC Charger: ***

Connecting via Bluetooth

NOTICE

- Before connecting, ensure:
 - Your phone's Bluetooth is enabled.
 - The device is powered on and communicating properly.
- The App interface and parameters may vary depending the device type or smart dongle model. The actual interface takes precedence.

Step 1 Open the App and select **Network Link** on the homepage or in the **Service** tab.

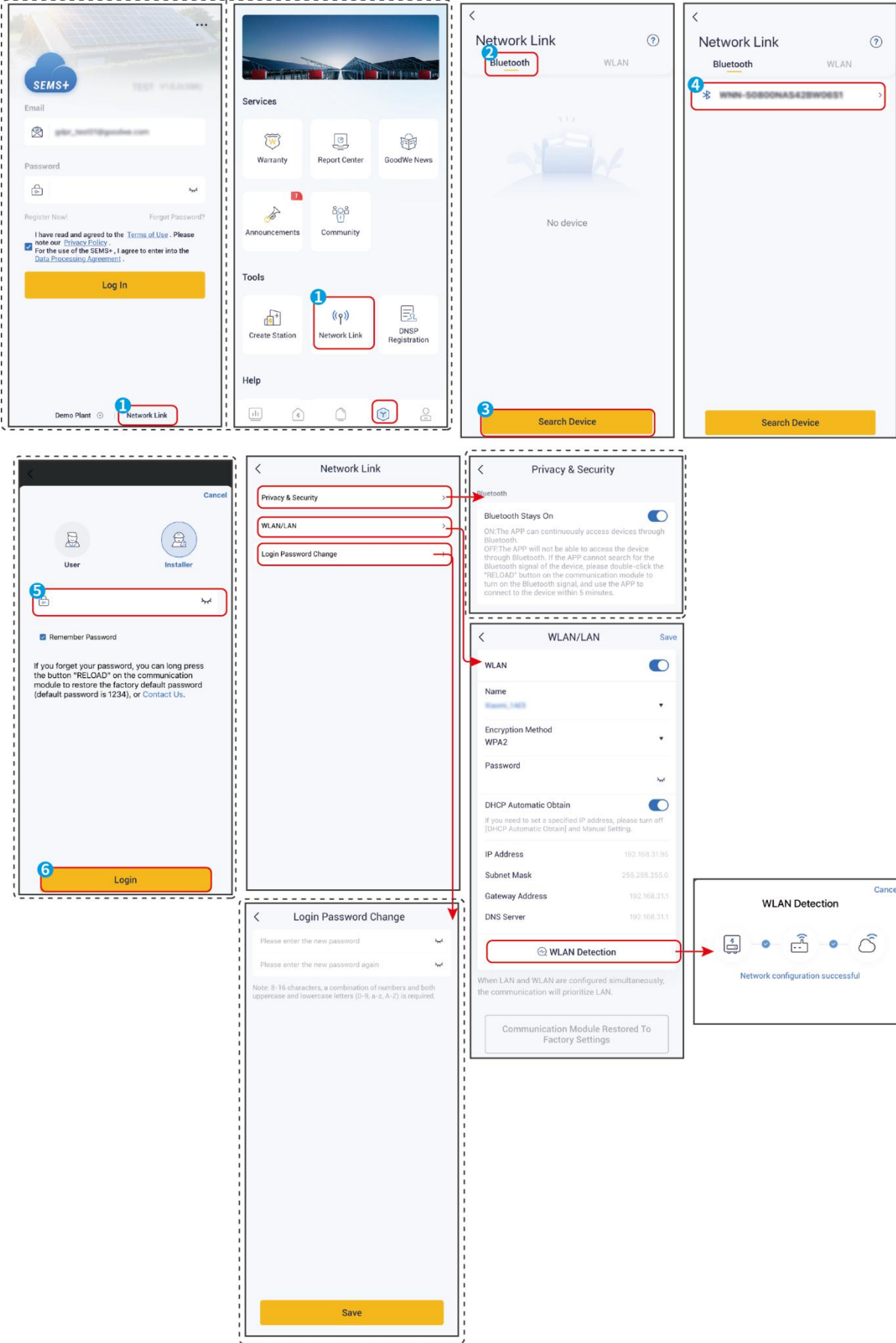
Step 2 Tap **Bluetooth** and select the device by the serial number.

Step 3 If prompted, log into the App according to your role and enter the password. Default password: 1234. If no login prompt appears, you will directly enter the communication settings interface.

Step 4 (Optional) Enable **Bluetooth Stays ON** if required. Otherwise, the Bluetooth signal will turn off after the connection.

Step 5 Set the **WLAN** or **LAN** parameters based on actual situation. Tap **WLAN Detection** to check the communication status.

Step 6 (optional) Tap **Login Password Change** to input a new password, and **Save**.



No.	Parameters	Description
Privacy&Security		
1	Bluetooth Stays ON	Enable the function, the bluetooth of the device will be contentious on to keep connected to SEMS+. Otherwise, the bluetooth will be off in 5 minutes.
WLAN/LAN		
2	WLAN	Enable or disable WLAN.
3	Name	Select the name of the router network to be used.
4	Encryption Method	
5	Password	
6	DHCP Automatic Obtain	Enable DHCP when the router is in dynamic IP mode. Disable DHCP when a switch is used or the router is in static IP mode.
7	IP Address	Do not configure the parameters when DHCP is enabled. Configure the parameters according to the router or switch information when DHCP is disabled.
8	Subnet Mask	
9	Gateway Address	
10	DNS Server	

Connecting via WiFi

NOTICE
<ul style="list-style-type: none"> ● Before connecting, ensure: <ul style="list-style-type: none"> ○ Your phone's WiFi is enabled. ○ The device is powered on and communicating properly. ● The App interface and parameters may vary depending the device type or smart dongle model. The actual interface takes precedence.

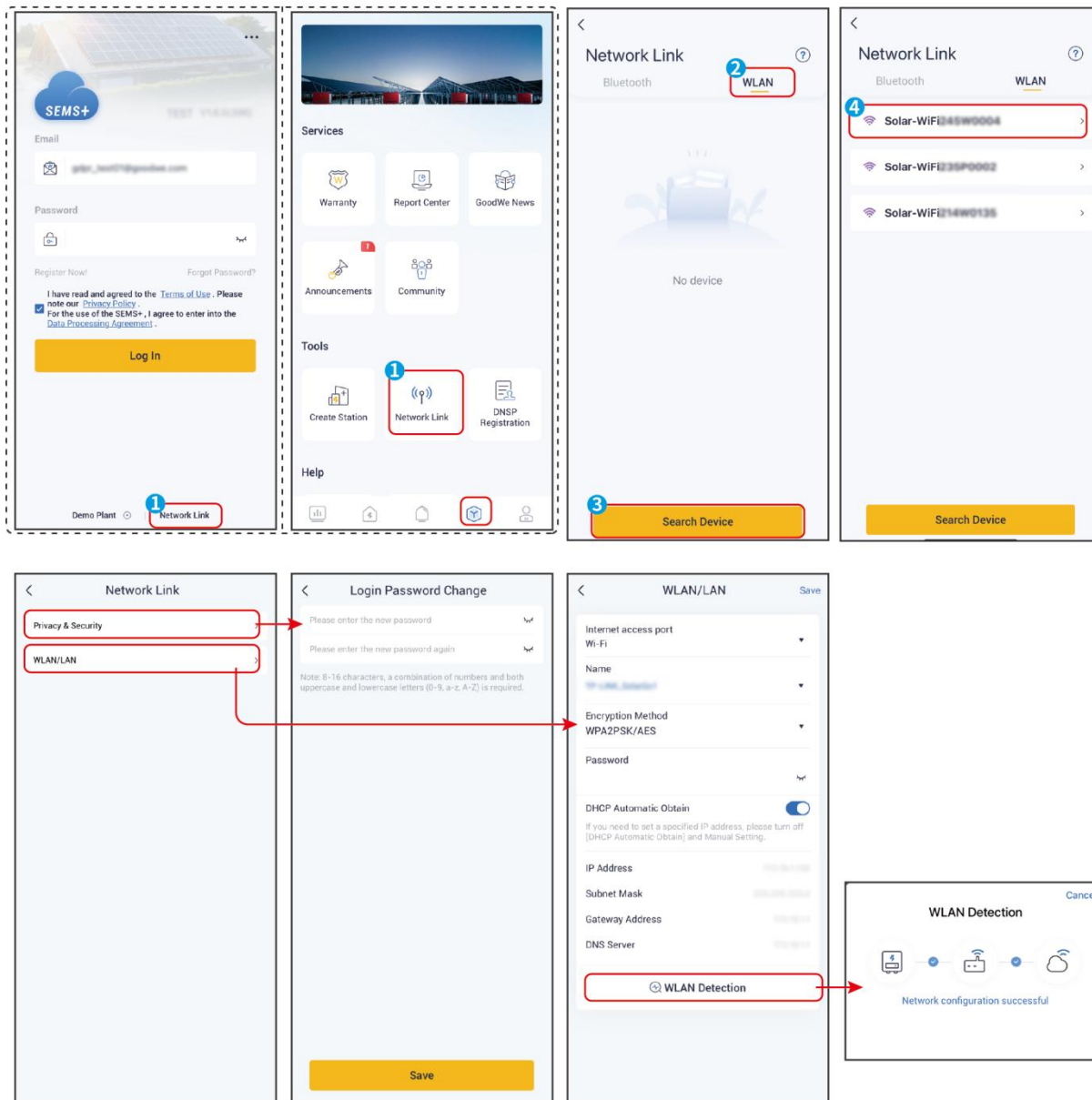
Step 1 Open the WiFi setting on the phone and connect to the inverter's WiFi signal (Solar-WiFi***). Default password: 12345678

Step 2 Open the App and select **Network Link** on the homepage or in the **Service** tab.

Step 3 Tap **WLAN** and select the device by the serial number.

Step 4 Modify the WiFi hotspot password if needed. If changed, reconnect to the inverter's WiFi signal using the new password.

Step 5 Configure WLAN or LAN parameters as needed and tap **Save**. Tap **WLAN Detection** to check the communication status.



No.	Parameters	Description
Privacy&Security		
1	Login Password Change	Change the password of the WiFi hotspot. Back to the WiFi setting page of the phone and reconnect the WiFi signal using the new password.
WLAN/LAN		
2	Internet Access Port	Set the communication mode as Wi-Fi or LAN based on actual needs.
3	Name	Select the name of the router network to be used.
4	Encryption Method	

5	Password	
6	DHCP Automatic Obtain	Enable DHCP when the router is in dynamic IP mode. Disable DHCP when a switch is used or the router is in static IP mode.
7	IP Address	Do not configure the parameters when DHCP is enabled. Configure the parameters according to the router or switch information when DHCP is disabled.
8	Subnet Mask	
9	Gateway Address	
10	DNS Server	

4 Station Monitoring

NOTICE

The parameters may vary depending the account type or power station type. The actual interface takes precedence.

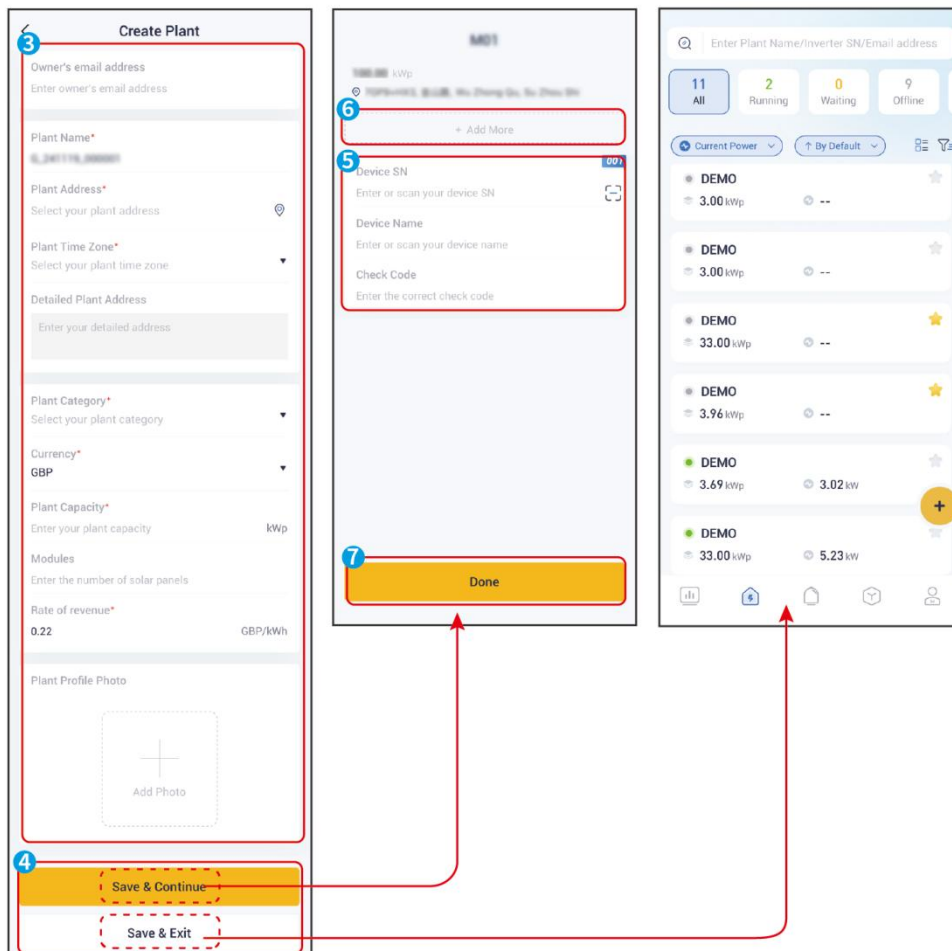
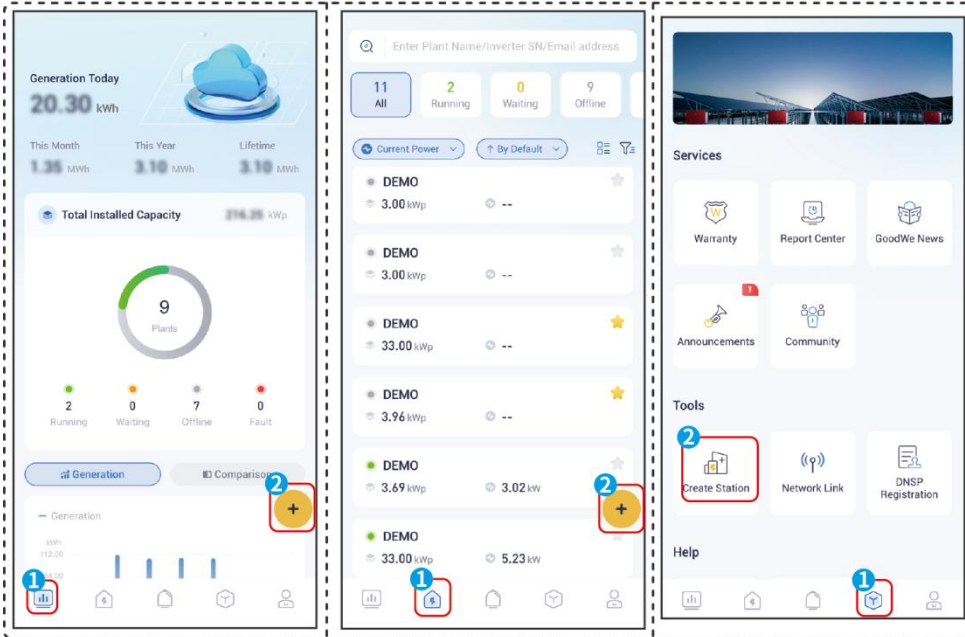
4.1 Managing Stations

4.1.1 Creating a Station

Step 1 Tap  on **Overview** or **Station** page, or tap **Create Station** on **Service** page.

Step 2 Enter station information on the **Create Station** page.

Step 3 Tap **Save & Exit** to complete creating a station, without devices added. Or tap **Save & Continue** to add devices. Support adding multiple devices.




4.1.2 Configuring Station Information

NOTICE

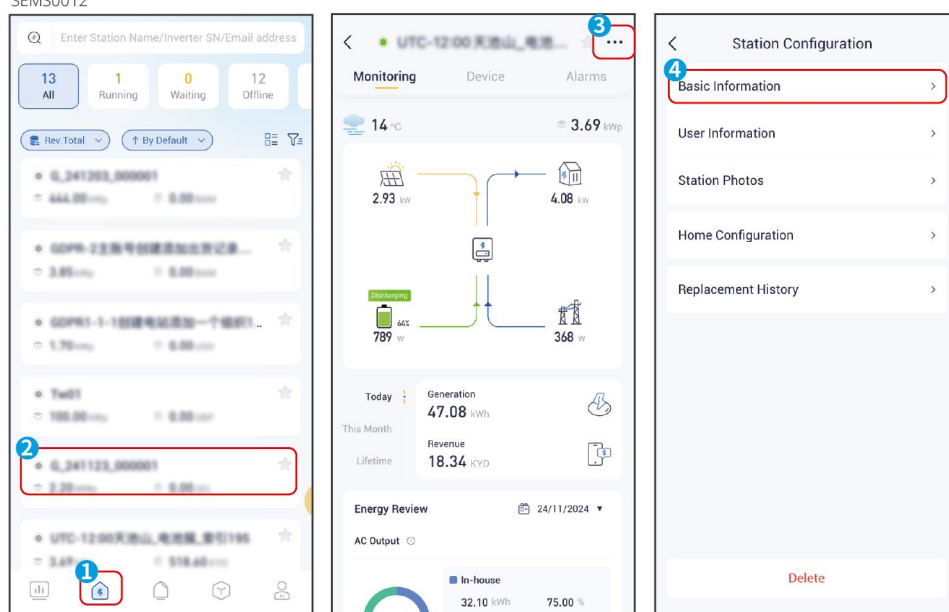
The configuration information of the station can be updated as needed. When the information filled in is inconsistent with the actual situation of the power station, the actual situation of the power station shall prevail. The basic information provided here is for reference only.

Step 1 Select the station to be updated from the station list.

Step 2 Tap  > **Basic Information** to check the basic information.

Step 3 Tap  to modify the information, and tap **Submit** to save the changes.

SEMS0012



Basic Information

Owner's email address
gblm_owner01@gandee.com

Station Name*
UFC-402-06, 德商U2S, MTZ

Organization Code
0101001-05

Station Address*
Platz der Republik 1, 11011 Berlin, Germany

Station Time Zone*
UTC+02:00

Detailed Station Address
--

Station Category*
CBU Grid Feed

Currency*
XCD

Station Capacity*
50.00 kWp

Modules
1

Rate of Revenue*
10.0000 XCD/kWh

Cancel Submit

4.1.3 Managing Station Visitors

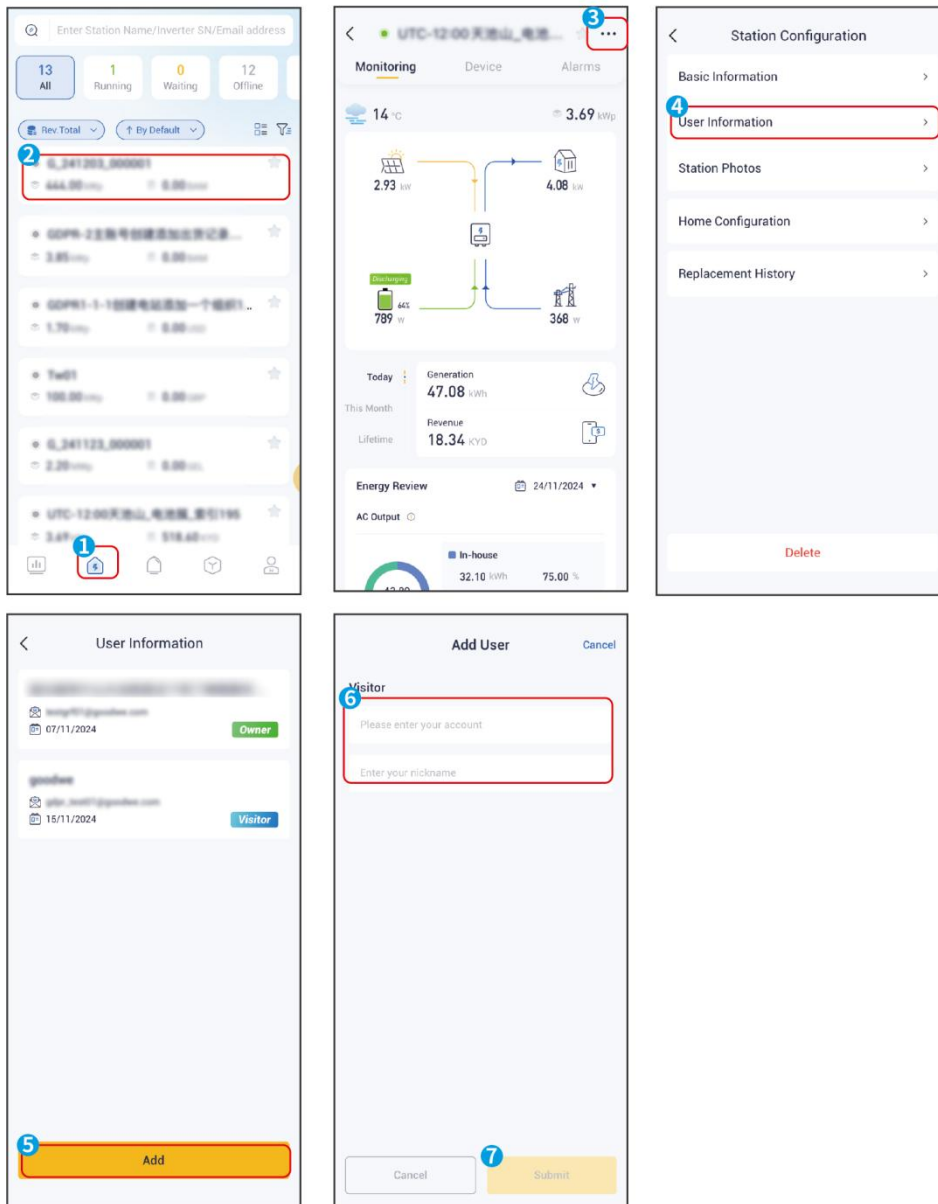
SEMS+ App allows users to add visitors to the power station and view basic information. Visitors have limited access and cannot view all information.

Step 1 Select the station where the visitor should be added.

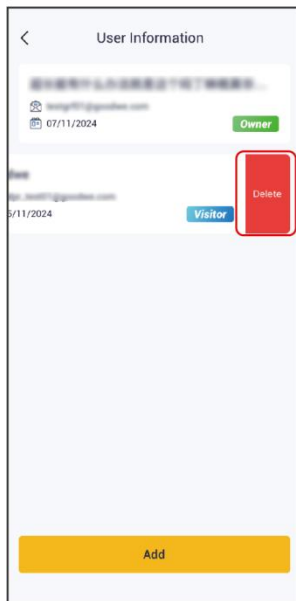
Step 2 Tap  > **User Information** > **Add**.

Step 3 Input the visitor's information and tap **Submit**.

SEMS0013



To delete a visitor, go to the **User Information** page, select the visitor, and tap **Delete**.



4.1.4 Managing Station Photos

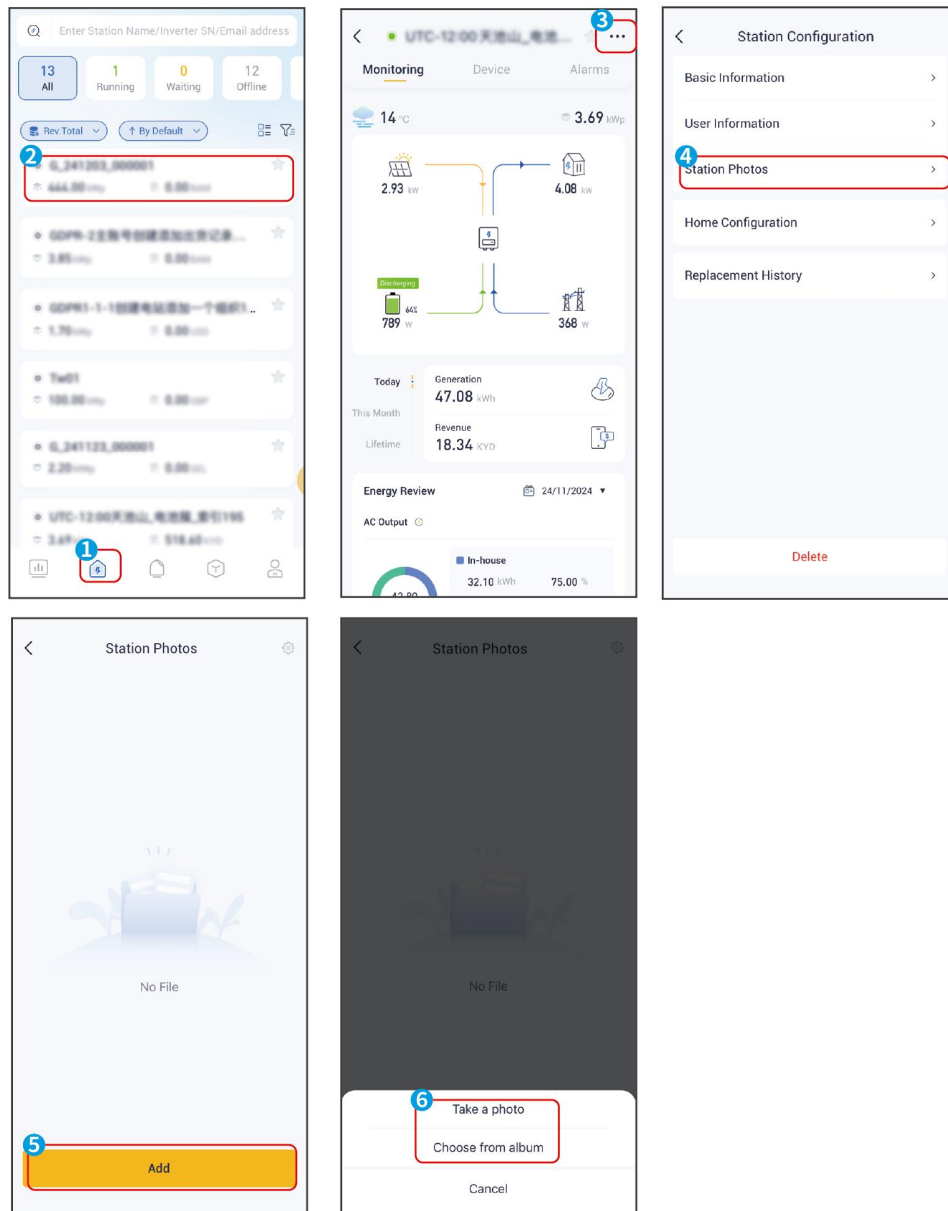
Adding photos to a station helps users find the station they need faster.

Step 1 Select the station where the photos should be added.

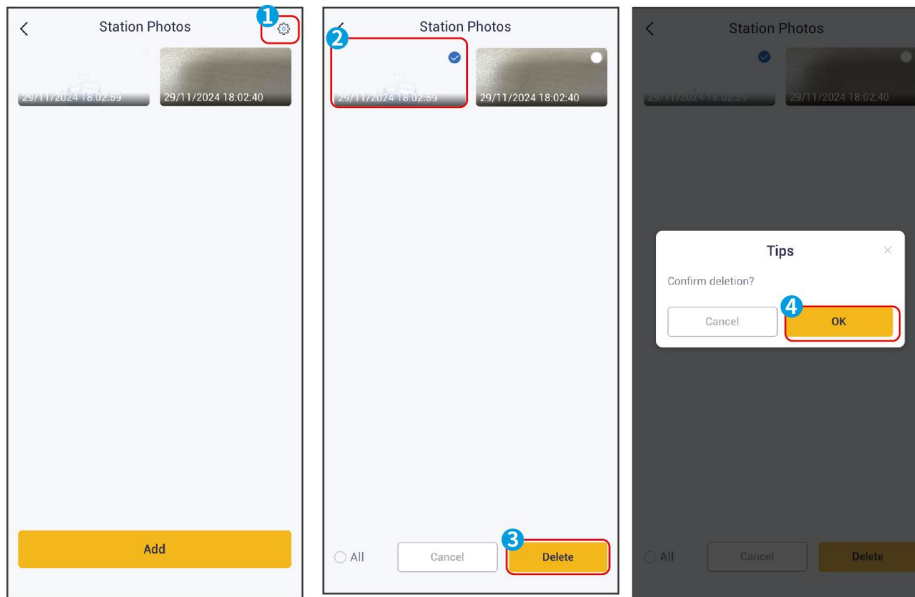
Step 2 Tap  > **Station Photos** > **Add**.

Step 3 Follow the prompts to add photos by **Take a Photo** or **Choose from Album**.

SEM50014



To delete a photo, follow the steps below.

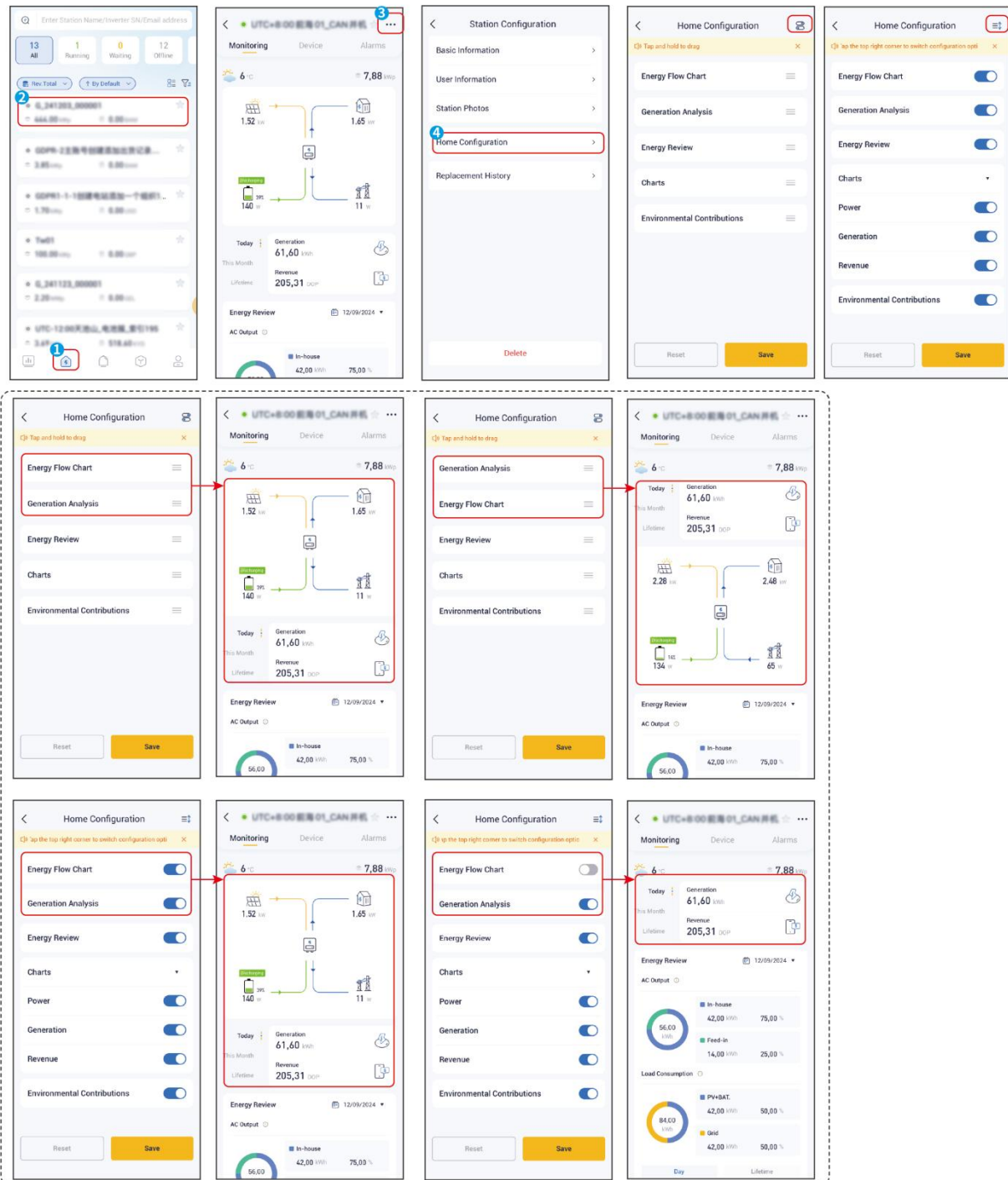


4.1.5 Configuring the Page Information

Change what's shown on the station details page, such as showing, hiding, or repositioning the Energy Flow Chart.

Step 1 Tap  > **Home Configuration on detailed station information page.**

Step 2 Adjust the displayed information or the order of sections based on your requirements.




4.1.6 Deleting a Station

NOTICE

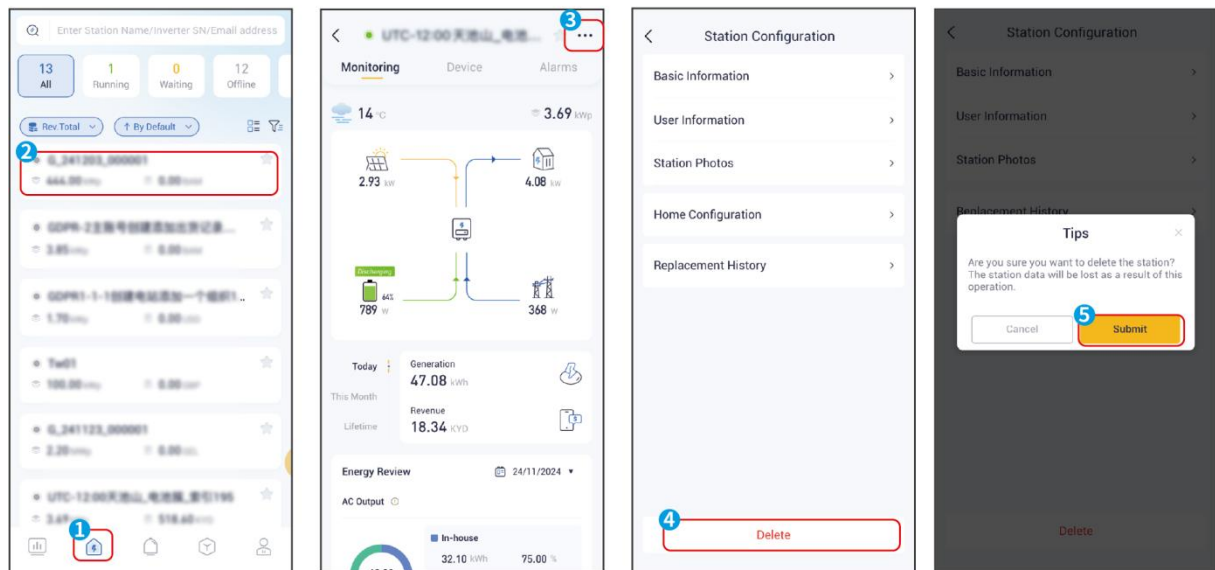
For station visitors, deleting a station means unbinding it from their account.

Step 1 Select the station to be deleted.


Step 2 Tap  on the station page.

Step 3 Tap **Delete** and **Submit** to delete the station.

SEMS0016

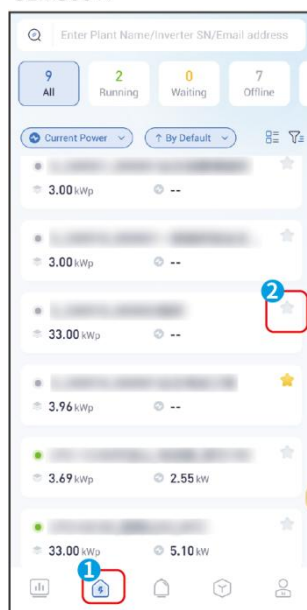


4.1.7 Favoriting a Station

To favorite a station, tap the star icon  next to the station name. Tap the icon again to unfavorite it.

To view all favorited stations, use the filter option and select **Favorited**.

SEMS0017

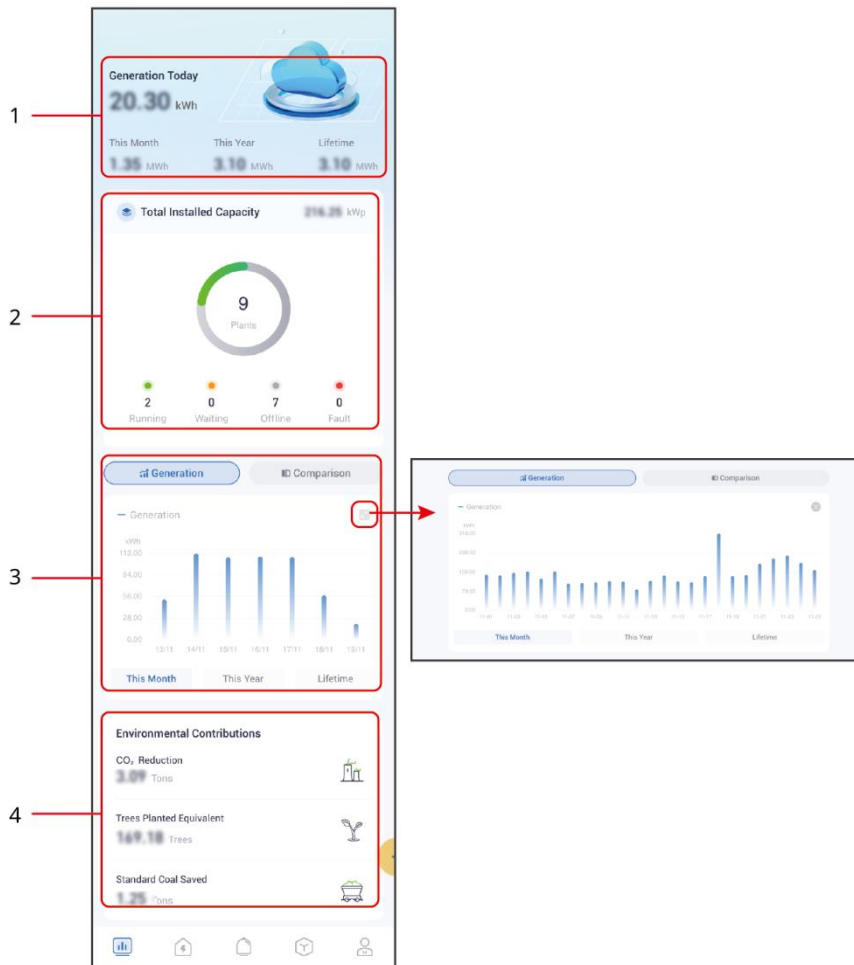



4.2 Checking Station Information

4.2.1 Checking Overview Information of All Stations

After logging in, you can view an overview of all stations linked to your account from the homepage.

SEMS0018



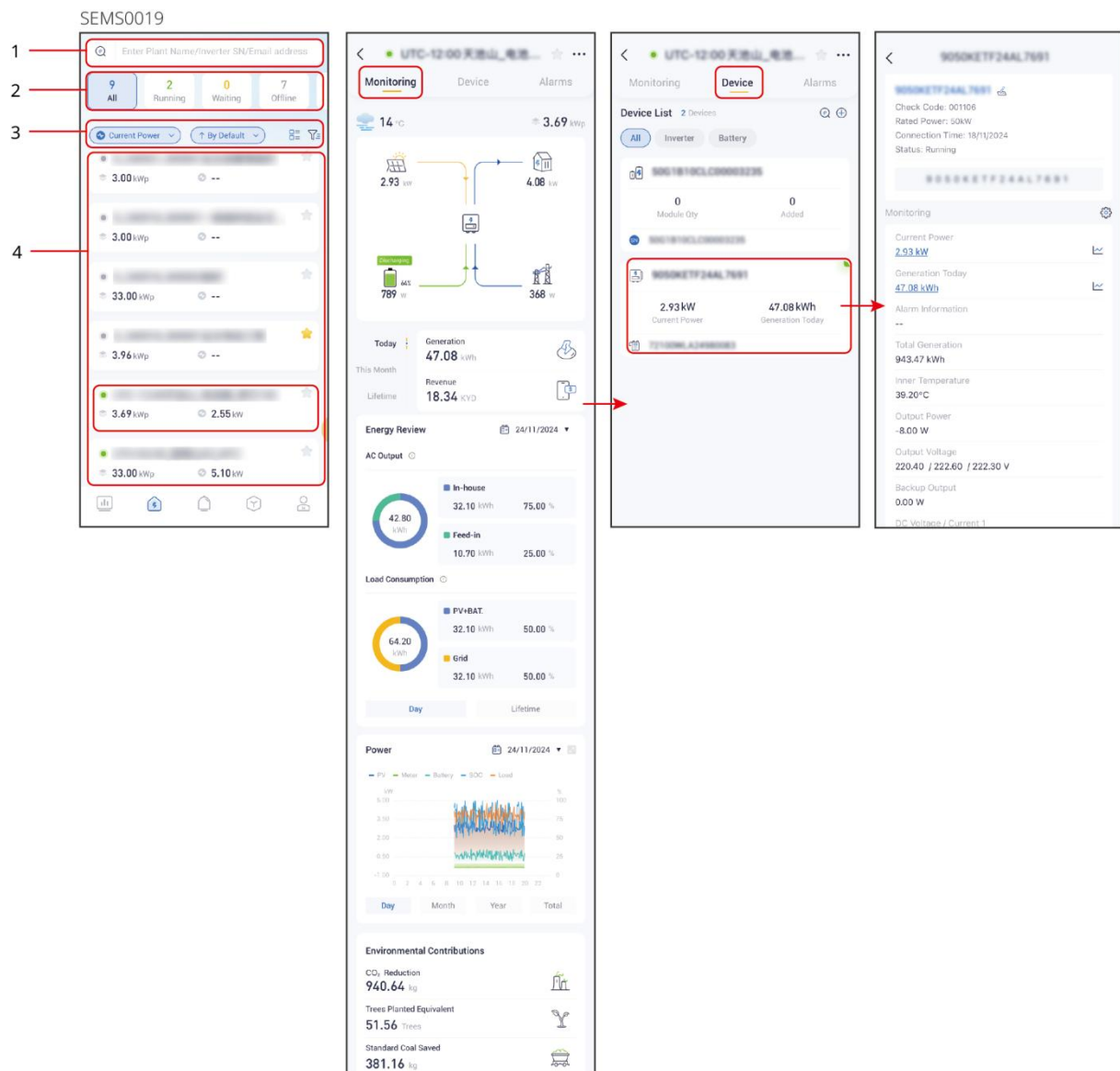
No.	Description
1	Displays the overall generation information of all stations, including: Generation Today, Generation This Month, Generation This Year, and Generation Lifetime. Generation This Year will not be displayed if the station amount exceeds 10.
2	Displays the total installed capacity and the working status of the stations. Working status: Running, Waiting, Offline, and Fault. The stations status is Running only when all the devices of the station are working properly.
3	Displays statistical chart of Generation Today, This Year, and Lifetime. Or displays comparison chart comparing current and past generation. Tap  to expand the chart.
4	Displays environmental contributions like CO₂ Reduction , Trees Stationed Equivalent , and Standard Coal Saved .

4.2.2 Checking Detailed Information of Single Station

Tap **Station**, and use sorting or filtering options to arrange the station list. Select a station from

the list to view its detailed information.

Select the device to find the specific information of the device. Support: inverter, battery, AC charger, smart logger, and more.



No.	Description
1	Search for a specific station. Enter device SN, station name or email address to find the station.
2	Station working status. Displays the station working status and number of station under different status. Tap status to filter the stations under the status.
3	<ul style="list-style-type: none"> Set the KPI of the device list: Current Power, Rev. Today, Rev. Total, Gen. Today, Gen. Total. Sort the station list by: By Default or By Capacity. Display the stations as Station Card or Station List.

	● Filter the station list by: Scope , Category , or Capacity .
4	Station list. Tap the station name to view the detailed information of the station. The displayed content varies depending on the station type. The actual interface takes precedence.

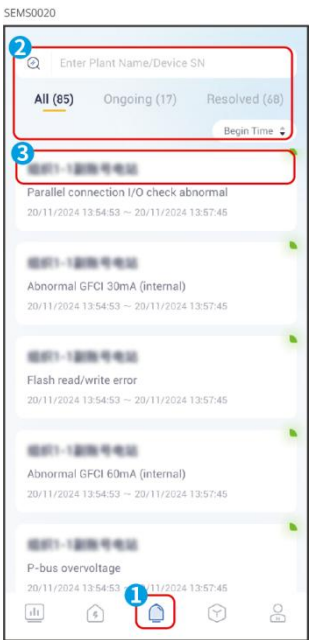
4.2.3 Checking Alarm Information

Method 1: Alarms for all stations under the account.

Step 1 Tap **Alarms** tab to enter the alarm page.


Step 2 (optional) Use the search bar to locate alarms by station name or device serial number.

Step 3 Select an alarm to view detailed information.

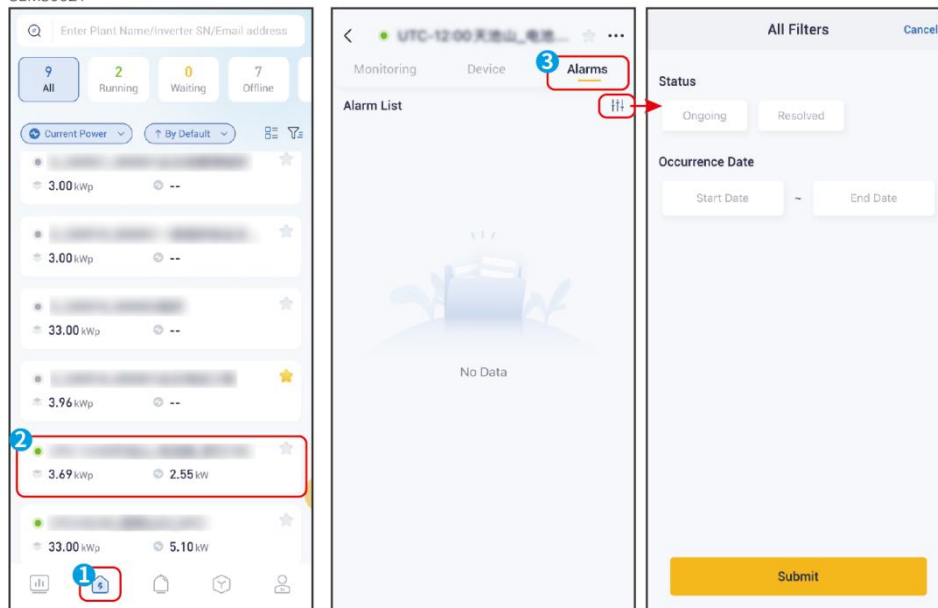


Method 2: Alarms of a specific station.

Step 1 Select a station from the station list.

Step 2 Tap **Alarms** and select an alarm to view detailed information. Tap  to filter the alarms as needed.

SEMS0021

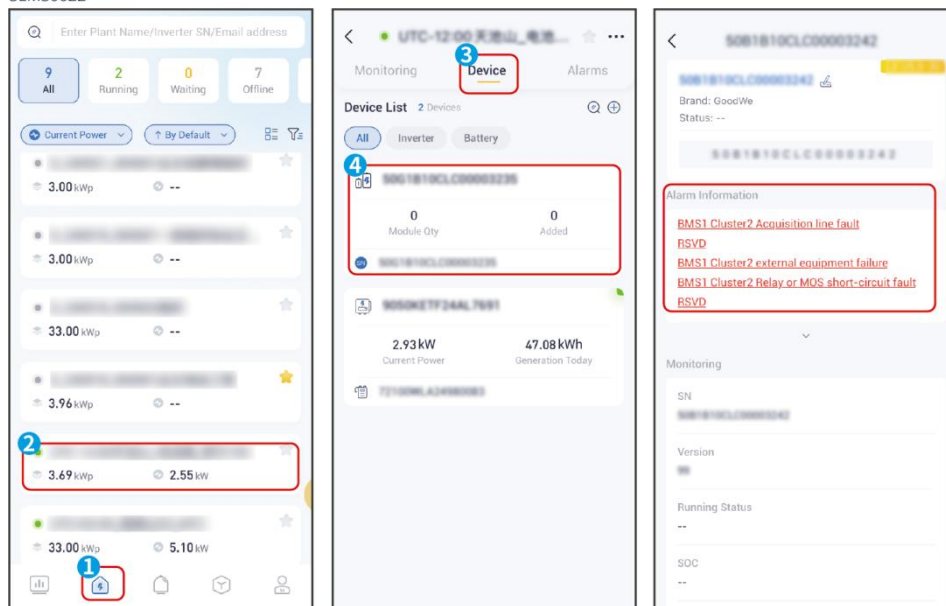


Method 3: Alarms of a specific device.

Step 1 Select a station from the station list.

Step 2 Tap **Device** and select a device to enter the device page. If alarms exist, the latest 10 active alarms will be displayed.

SEMS0022

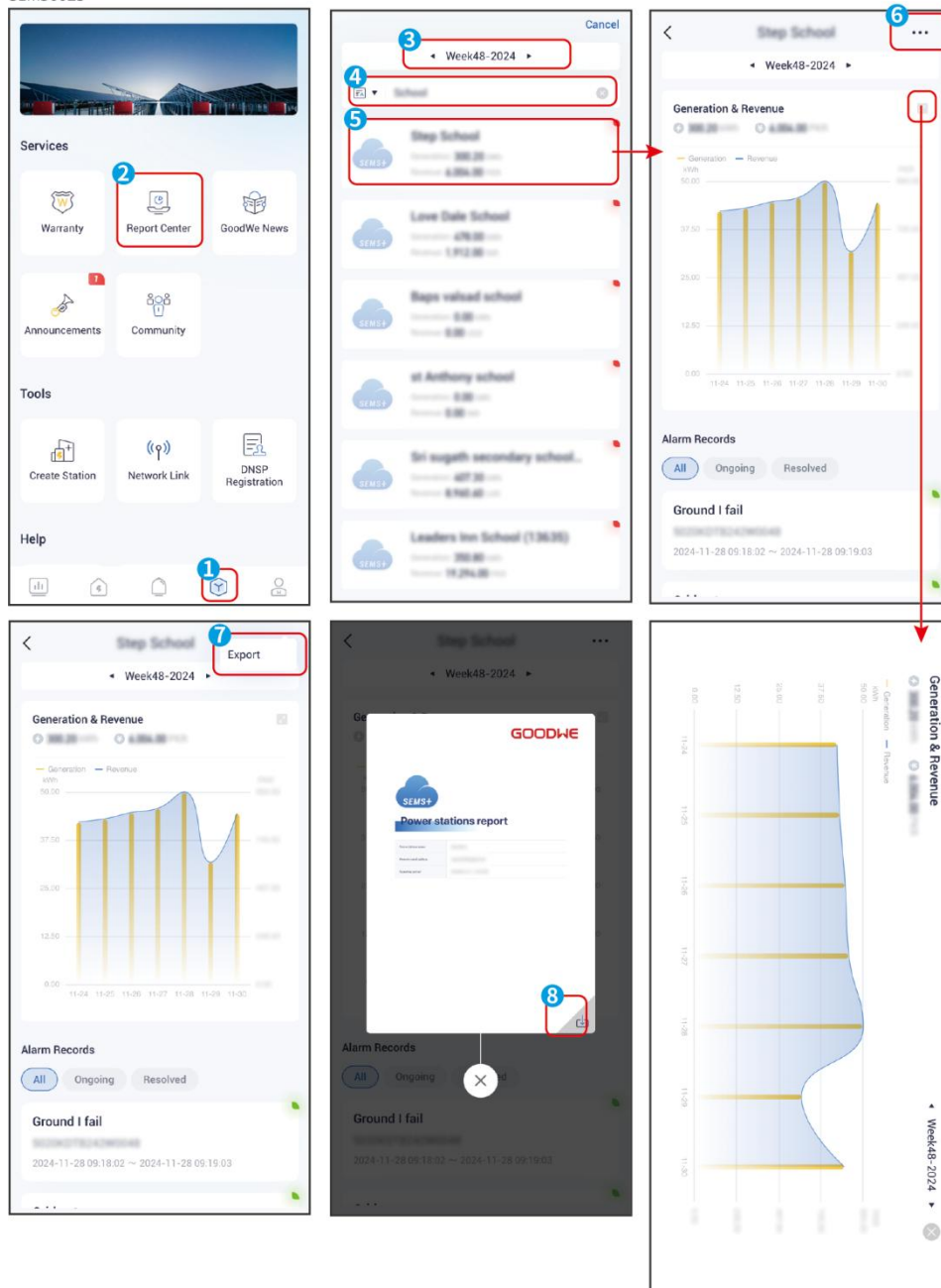


4.2.4 Checking Station Reports

Viewing Reports


Step 1 Tap **Service** tab > **Report Center**.

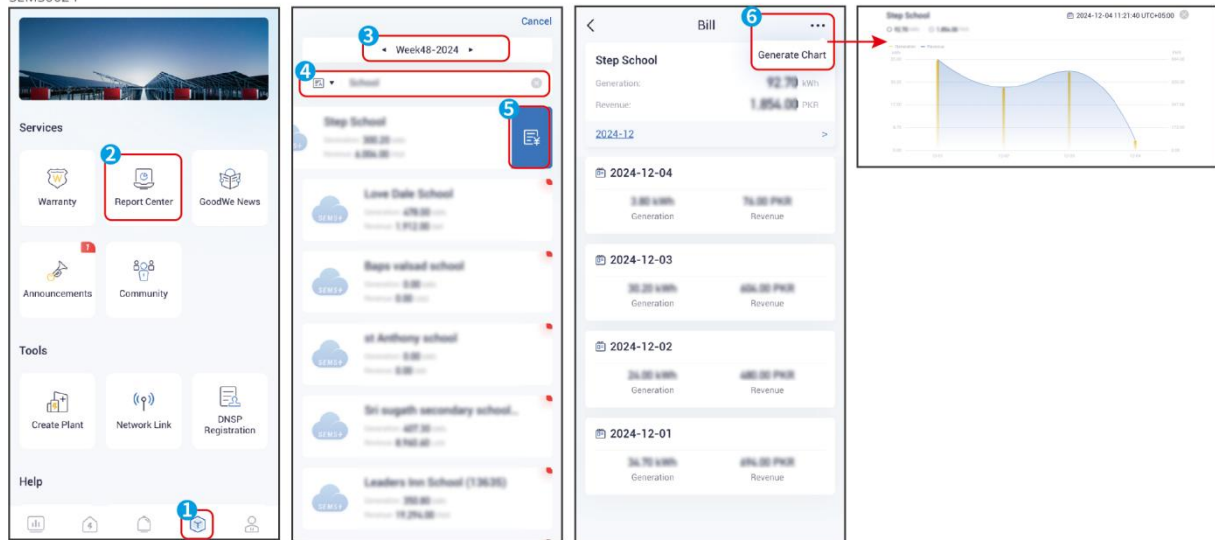
Step 2 Select a time period, search for the desired station, and tap the station name to view the report center. Tap **...** > **Export** to download the report if needed.



Viewing Bills

Step 1 Tap Service > Report Center.

Step 2 Search for the desired station. Find the station, swipe left and tap  to view billing details of the month.



4.3 Managing Devices

4.3.1 Adding a Device

NOTICE

- Supported device types may vary based on the station type.
- If the environmental monitor is connected to a smart logger, add the environmental monitor to the station and view the its data.

Step 1 Select a station from the station list.

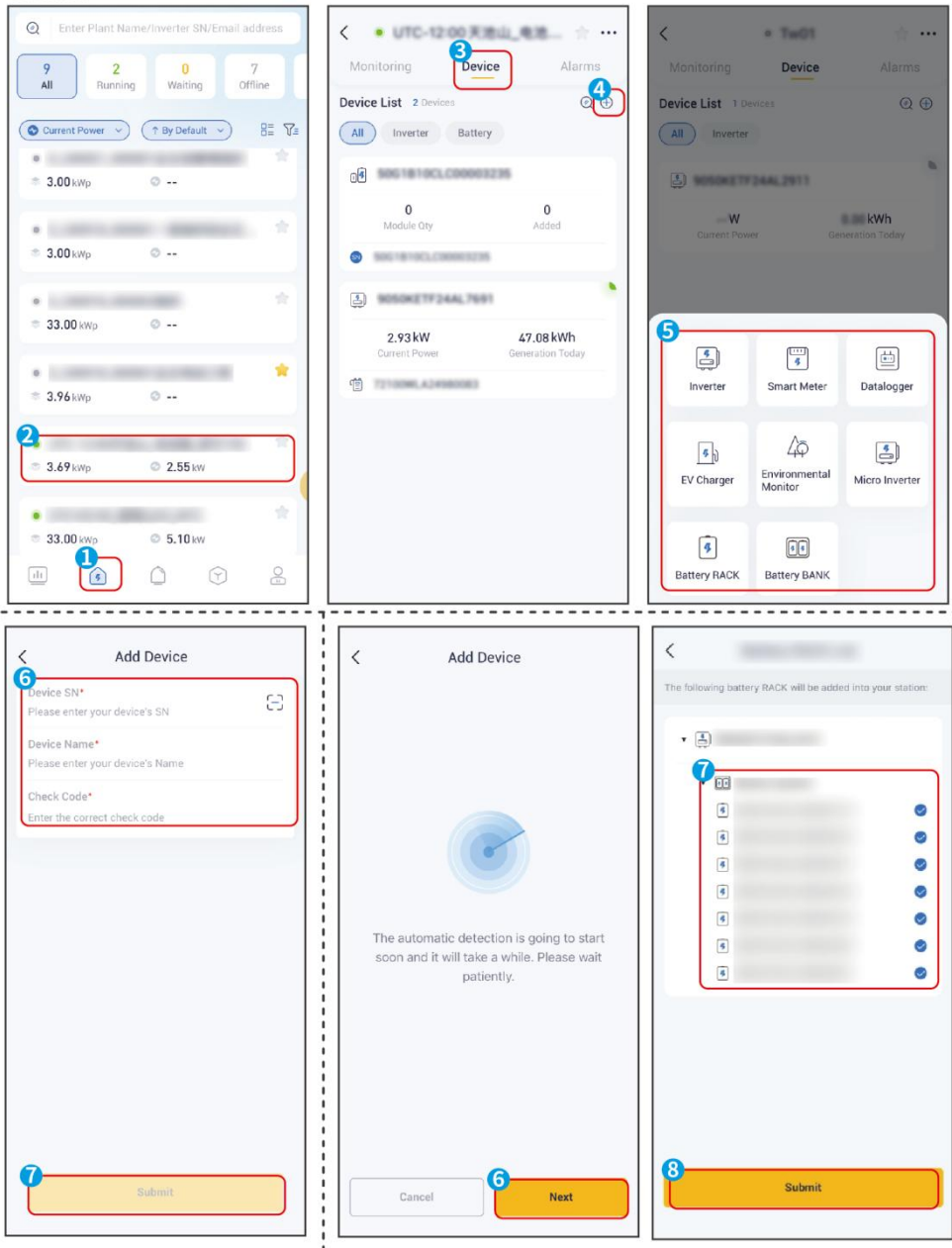
Step 2 Tap **Device** > .

Step 3 Select the type of device to add.

Step 4 Follow the instructions to scan or manually input device information. To add the scanned devices, choose devices from the scanned device list. To manually add a device, scan the device SN code or input required device information.

Step 5 To add multiple devices, repeat the steps as needed.

SEMS0025



4.3.2 Editing Device Information

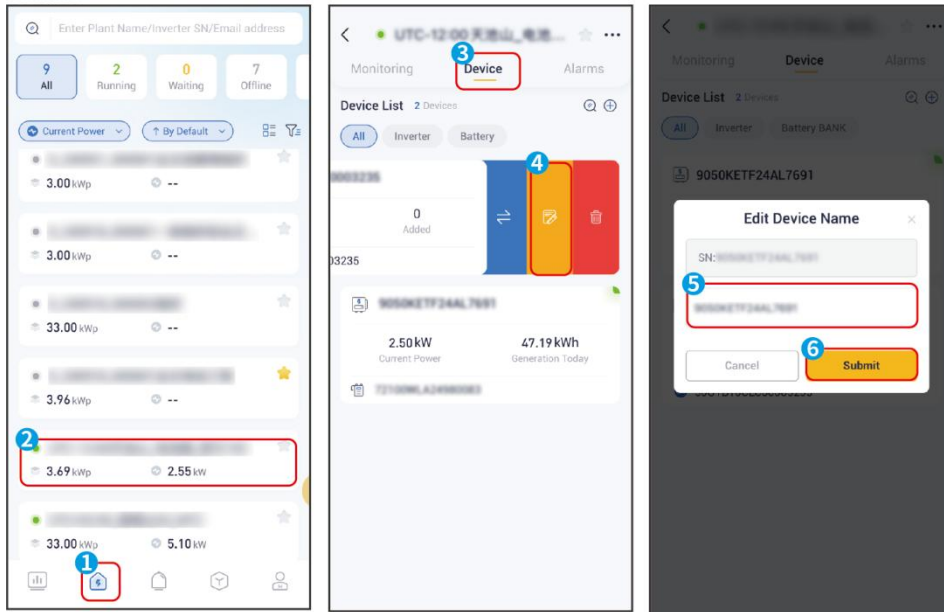
The device name can be modified.

Step 1 Select a station from the station list.

Step 2 Tap **Device** to enter the device page. Select the device and swipe left, tap .

Step 3 Modify the device name and tap **Submit**.

SEMS0027



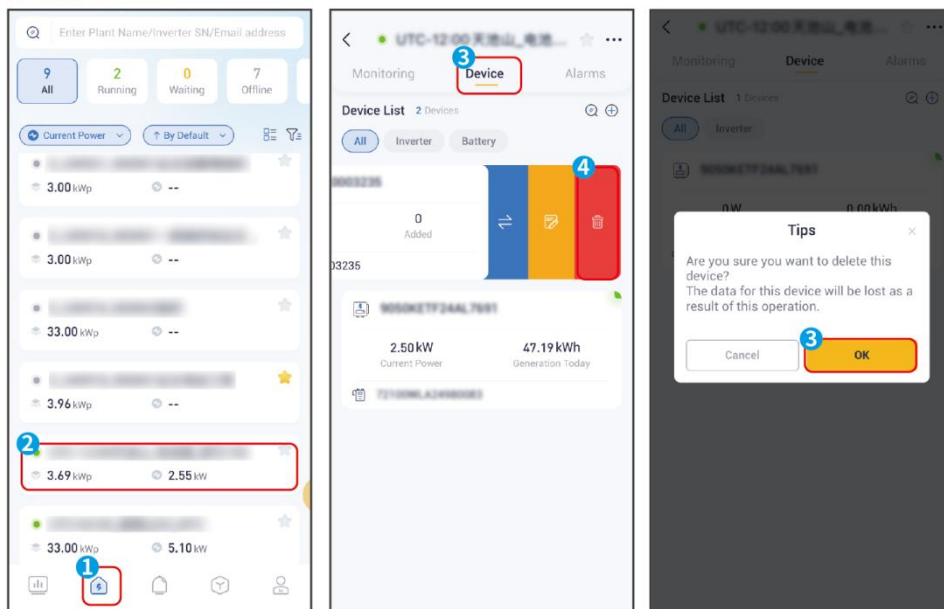
4.3.3 Deleting a Device

Step 1 Select a station from the station list.

Step 2 Tap **Device** to enter the device page. Select the device and swipe left, tap .

Step 3 Read the prompt and tap **OK** to delete the device.


SEMS0028



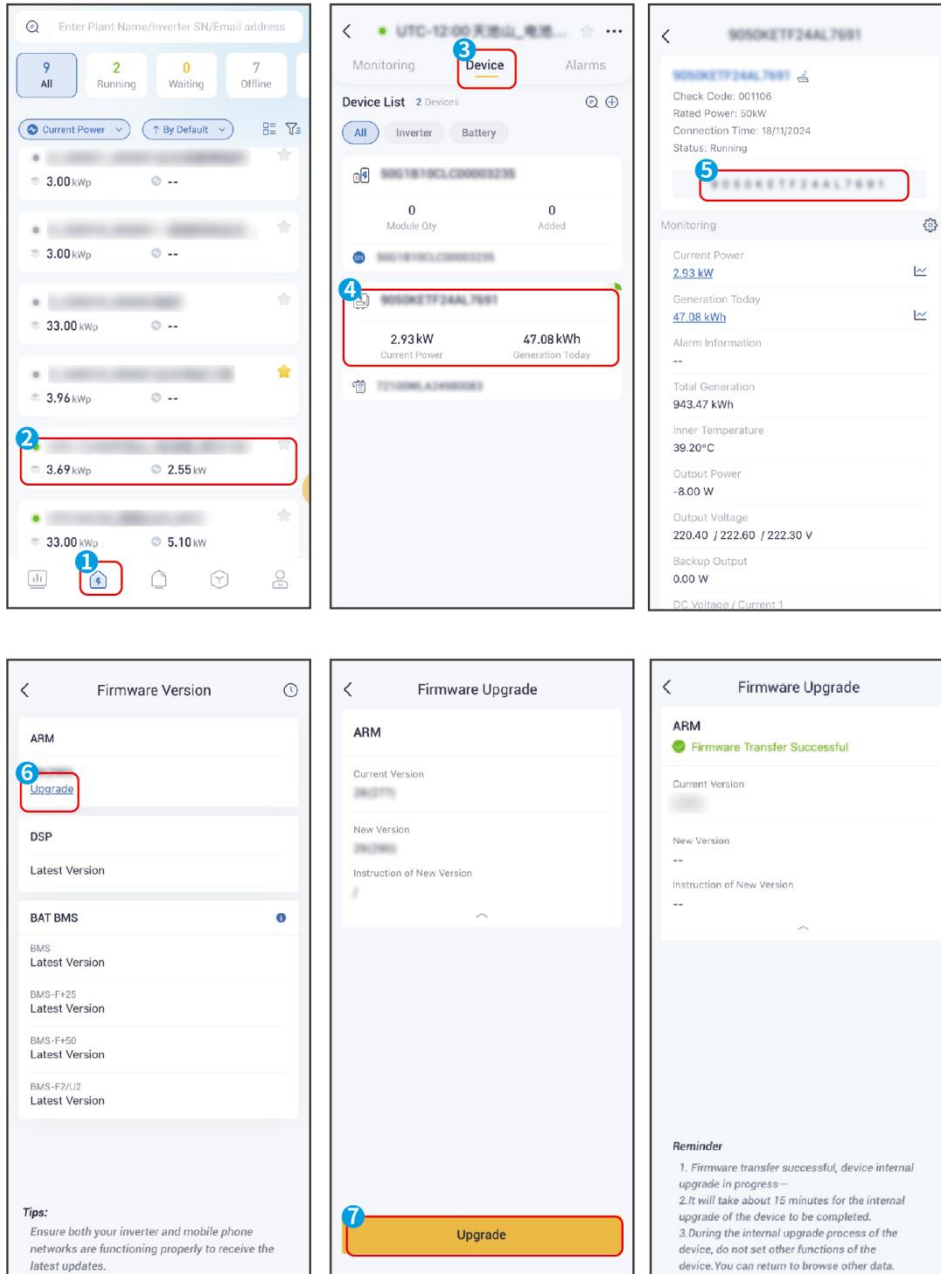
4.3.4 Upgrade the Firmware

Step 1 Select a station from the station list.

Step 2 Tap **Device** to enter the device page and select the device to be upgraded.

Step 3 Tap the device serial number to enter the **Firmware Version** page. If the upgrade is available, tap **Upgrade** and follow the instructions. Tap  to find the upgrade history.

SEMS0029



4.4 Managing Device Remotely

NOTICE

- Set the device parameters via SEMS+ App after creating a plant and adding devices to it.
- Before setting any parameters, read through user manual of the App and the inverter or charger to learn the product functions and features. Incorrectly configured parameters,


such as grid settings or start/stop commands, may result in devices failing to connect to the grid, potentially affecting power generation.

- Only trained professionals familiar with local regulations and electrical systems should perform parameter settings.
- The setting page varies depending on accounts type and device model.

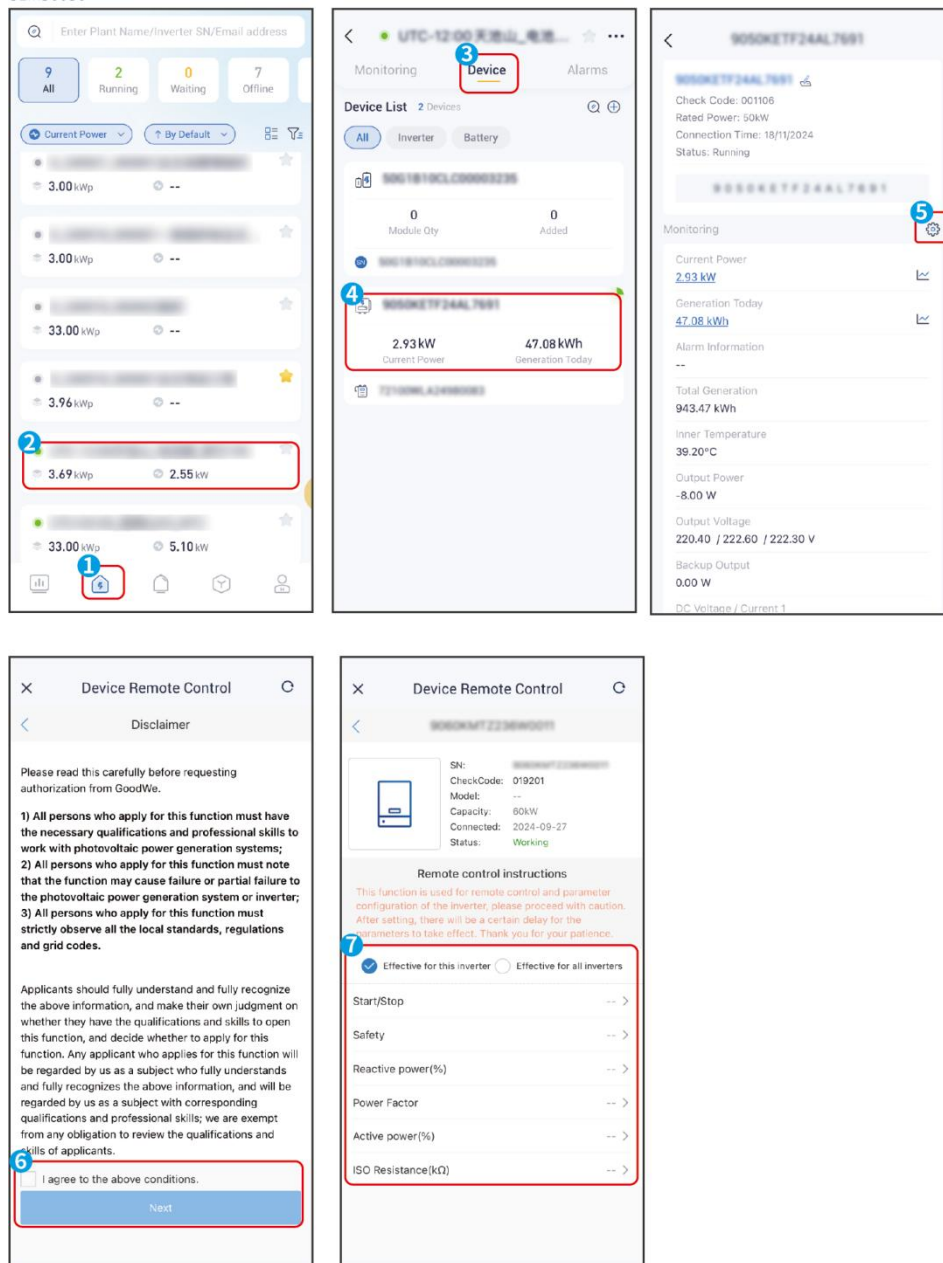
4.4.1 Configuring Grid-Tied Inverter Parameters

Step 1 Select a station from the station list.

Step 2 Tap **Device** to enter the device page and choose the device to be configured.

Step 3 Tap , read the prompts and set parameters as needed.

SEMS0030



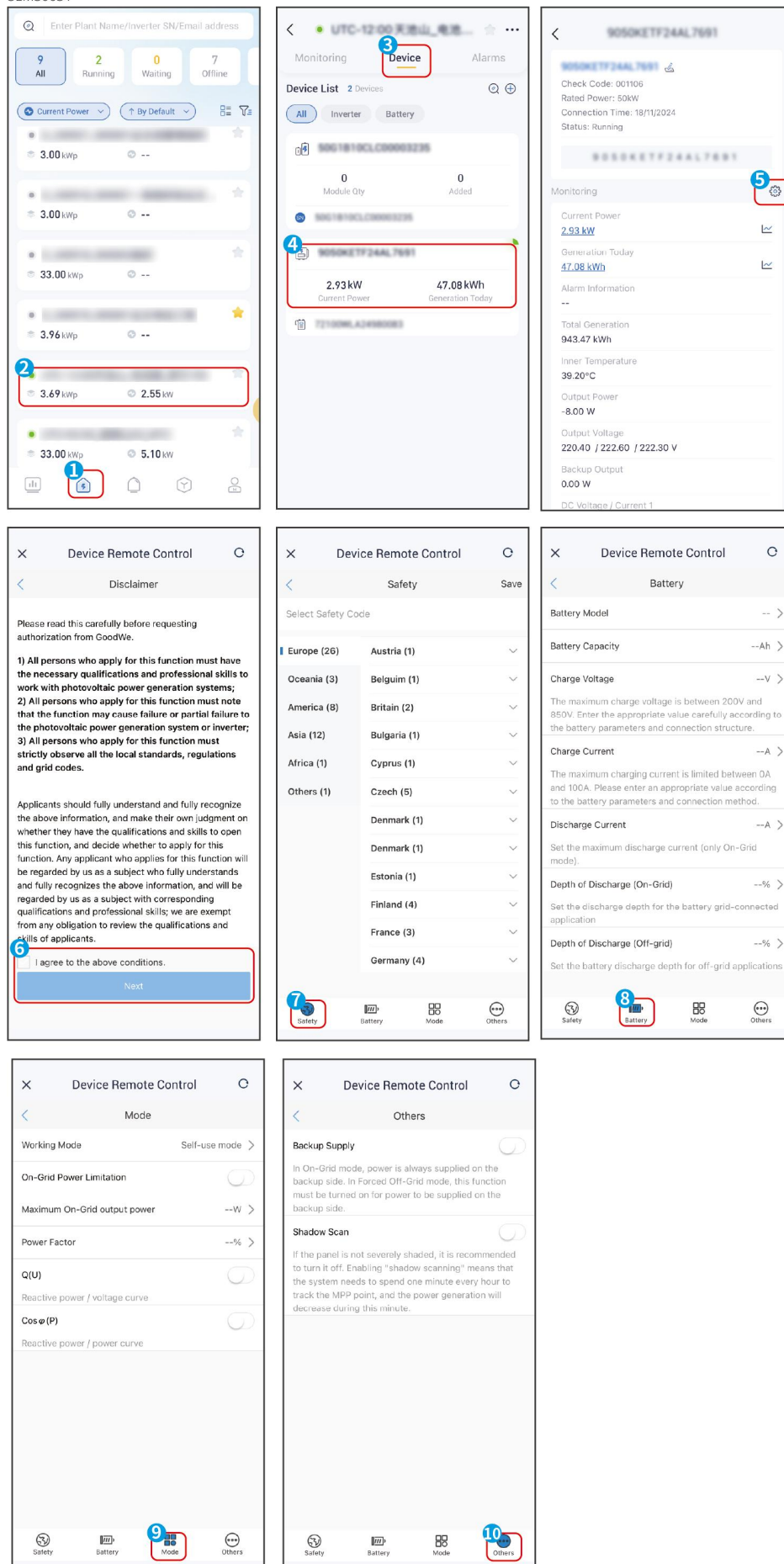
No.	Parameters	Description
1	Effective for this inverter / Effective for all inverters	<ul style="list-style-type: none"> ● Effective for this inverter: Applies settings to a single inverter. ● Effective for all inverters: Applies settings to all inverters in the network.
2	Start/Stop	<ul style="list-style-type: none"> ● Start: Starts inverter self-checking, and then connecting to the grid. ● Stop: Disconnecting the grid.
3	Safety	Set the safety country in compliance with local grid standards and application scenario of the inverter. Once finishing the setting, the factory default values of the inverter have been configured according to the safety regulation requirements.
4	Reactive Power	Set the inverter reactive power output value. For example: When the setting value is 5%, it means the reactive power output value of the inverter = the inverter rated power * 5%.
5	Power Factor	Set the power factor of the inverter.
6	Active Power	Set the inverter active power output value. For example: When the setting value is 90%, it means the active power output value of the inverter = the inverter rated power * 90%.
7	ISO Resistance	Set it as the threshold value of the insulation impedance of PV-PE. When the actual value is detected to be less than the setting value, IOS fault will be reported.

4.4.2 Configuring Hybrid Inverter Parameters

Step 1 Select a station from the station list.

Step 2 Tap **Device** to enter the device page and choose the device to be configured.

Step 3 Tap , read the prompts and set parameters as needed.



No.	Parameters	Description
1	Safety	Set the safety country in compliance with local grid standards and application scenario of the inverter.
Battery		
2	Battery Model	Set the model of the connected battery.
3	Depth of Discharge (On-Grid)	The maximum depth of discharge of the battery when the system is working on-grid.
4	Depth of Discharge (Off-Grid)	The maximum depth of discharge of the battery when the system is working off-grid.
5	Backup SOC Holding	The battery will be charged to preset SOC protection value by utility grid or PV when the system is running on-grid. So that the battery SOC is sufficient to maintain normal working when the system is off-grid.
6	SOC Protection	Start battery protection when the battery capacity is lower than the Depth of Discharge.
Mode		
7	Working Mode	<p>Set the working mode based on actual needs.</p> <ul style="list-style-type: none"> ● Self-use mode: <ul style="list-style-type: none"> ○ Back-up mode: The back-up mode is mainly applied to the scenario where the grid is unstable. When the grid is disconnected, the inverter turns to off-grid mode and the battery will supply power to the load; when the grid is restored, the inverter switches to on-grid mode. ○ Eco mode: It is recommended to use economic mode in scenarios when the peak-valley electricity price varies a lot. Select Economic mode only when it meets the local laws and regulations. Set the battery to charge mode during Vally period to charge battery with grid power. And set the battery to discharge mode during Peak period to power the load with the battery. ○ Smart charging: In some countries/regions, the PV power feed into the utility grid is limited. Select Smart Charging to charge the battery using the surplus power to minimize PV power waste. ● Peak shaving mode: Peak shaving mode is mainly applicable to peak power limited scenarios. When the total power consumption of the load exceeds the power consumption quota in a short period of time, battery discharge can be used

		to reduce the power exceeding the quota.
8	On-Grid Power Limitation	Enable On-Grid Power Limitation when power limiting is required by local grid standards and requirements.
9	Maximum On-Grid Output Power	Set the value based on the actual maximum power feed into the utility grid.
10	Power Factor	Set the power factor based on actual needs.
11	Q(U)	Enable Q(U) Curve when it is required by local grid standards and requirements.
12	COS(φ)	Enable Cos φ Curve when it is required by local grid standards and requirements.
Others		
13	Backup Supply	After enabling Backup Supply , the battery will power the load connected to the BACK-UP port of the inverter to ensure Uninterrupted Power Supply when the power grid fails.
14	Shadow Scan	Enable Shadow Scan when the PV panels are severely shadowed to optimize the power generation efficiency.

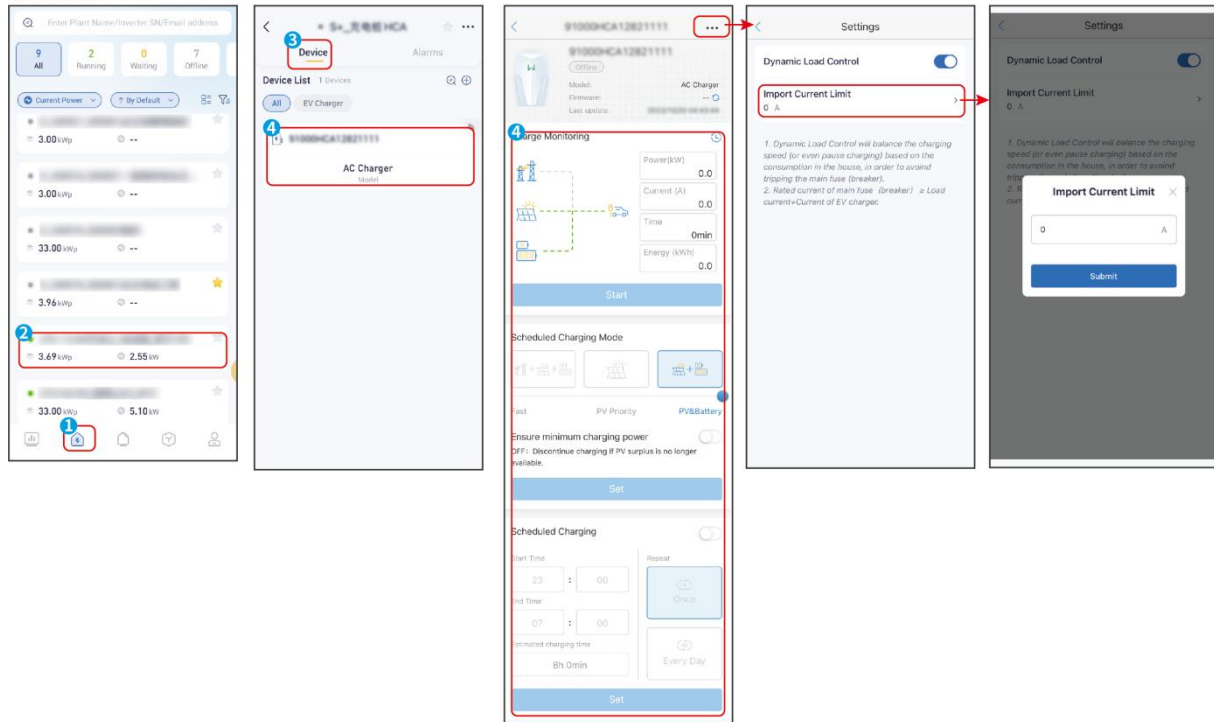
4.4.3 Setting the Charger (HCA Series)

Step 1 Select a station from the station list.

Step 2 Tap **Device** to enter the device page and choose the device to be configured.

Step 3 Set charging parameters based on specific requirements.

SEMS0032



No.	Parameters	Description
Charge Monitoring		
1	Power	Real-time charging power of the charger.
2	Current	Real-time charging current of the charger.
3	Time	Charging duration of this charge.
4	Energy	Charging power of this charge.
Scheduled Charging Mode		
4	Fast	Charge the EV at the rated power of the charger with the power from the grid, PV or the battery.
5	PV Priority	Only the PV power is used to charge the EV. Loads take priority in PV power consumption, the remaining power will charge the EV. For a single phase charger, the PV power should be higher than 1.4kw. For a three phase charger, the PV power should be higher than 4.2kw.
6	PV & Battery	The PV power and battery are used to charge the EV. Loads take priority in power consumption, the remaining power will charge the EV.
7	Ensure Minimum Charging Power	The charger cannot charge the EV if the PV power is insufficient. If the PV power is insufficient, enable Ensure Minimum Charging Power to use the power from the utility grid or battery to meet the minimum charging power requirements.
Scheduled Charging		

8	Start Time	Start time of the scheduled charging.
9	End Time	End time of the scheduled charging.
10	Estimated Charging Time	Estimated charging time of the scheduled charging.
11	Repeat	Repeat cycle of the scheduled charging.
12	Dynamic Load Control	Enable Dynamic Load Control, the charger will balance the charging speed or even pause charging to avoid tripping the main fuse.
13	Import Current Limit	Set the peak power limit purchasing from the grid.

4.4.4 Setting the Charger (HCA G2 Series)

Set the Charging Mode

Step 1 Select a station from the station list.

Step 2 Tap **Device** to enter the device page and choose the device to be configured.

Step 3 (optional) Enable or disable **AUTO Start** based on actual needs.

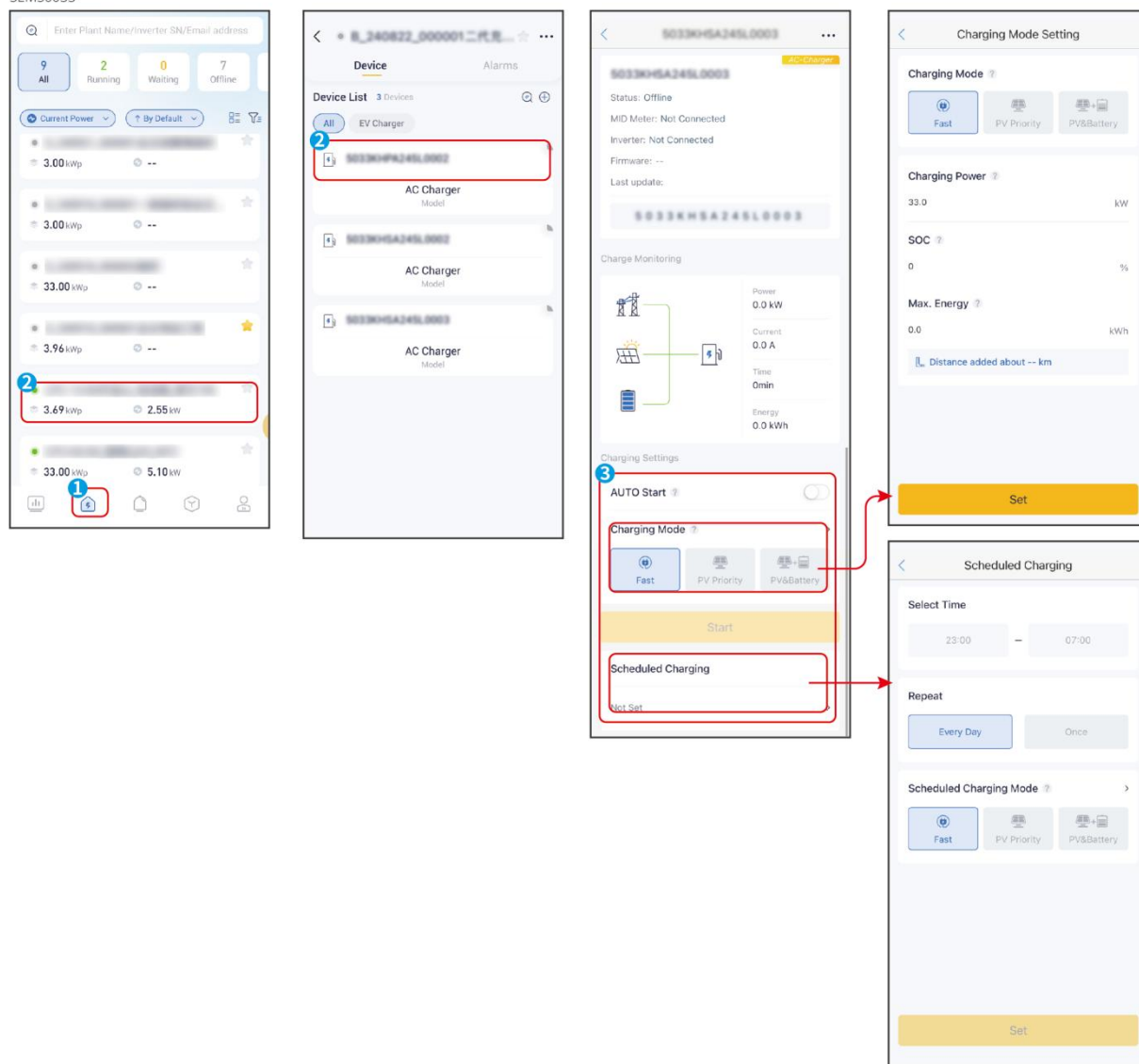
Step 4 (optional) Tap **Charging Mode** to set the mode. Select **Fast**, **PV Priority**, or **PV&Battery** and set the detailed charging mode. Tap **Set** to complete the settings.

Step 5 (optional) Tap **Scheduled Charging** to reserve charging in advance. Set **Select Time**, **Repeat**, and **Scheduled Charging Mode**. Tap **Set** to complete the settings.

NOTICE

- Set the **Charging Mode** and decide whether to enable **Scheduled Charging** or **AUTO Start** before charging the EV.
- In PV charging mode, if the PV energy is insufficient, charging will be paused; if the PV energy is insufficient but Ensure Minimum Charging Power has been enabled, the power grid or the battery will be used to maintain the minimum power required for charging.
- In PV+BAT charging mode, if the PV+BAT energy is insufficient, charging will be paused; if the PV+BAT energy is insufficient but Ensure Minimum Charging Power has been enabled, the power grid will be used to maintain the minimum power required for charging.

SEMS0033



No.	Parameters	Description
Fast: The charger uses electricity from power grid, PV, or batteries to charge electric vehicles.		
1	Charging Power	Set the charging power of the charger. The output power of the charger defaults to the nominal output power of the charger.
2	SOC	The battery will stop charging when the battery's SOC \leq set SOC.
3	Max. Energy	The charger will stop charging the EV when the Max. Energy is reached.
PV Priority: Only the PV power is used to charge the EV. Loads take priority in PV power consumption, the remaining power will charge the EV.		
4	Min. Top Up	Set the minimum charging power for charging the EV.

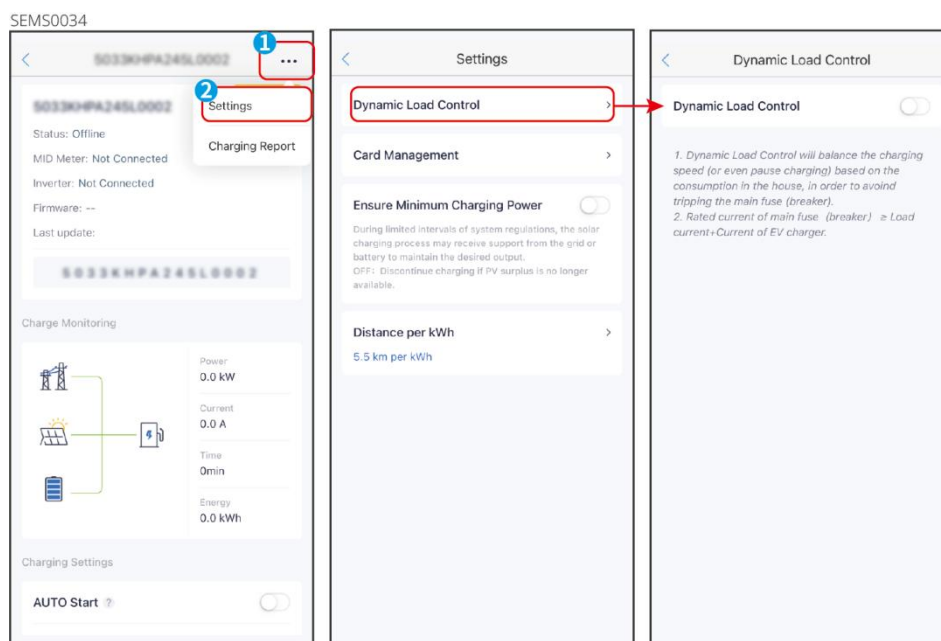
5	Achieve in	Set the time required to reach the Min. Top Up.
6	Max. Energy	The charger will stop charging the EV when the Max. Energy is reached.
PV&Battery: The PV power and battery are used to charge the EV. Loads take priority in power consumption, the remaining power will charge the EV.		
7	SOC	The battery will stop charging when the battery's SOC \leq set SOC.
8	Min. Top Up	Set the minimum charging power for charging the EV.
9	Achieve in	Set the time required to reach the Min. Top Up.
10	Max. Energy	The charger will stop charging the EV when the Max. Energy is reached.

Set the Dynamic Load Control

After you turn on the dynamic load control, the charger will balance the charging speed (or even pause charging) based on the obtained meter data and the set grid connection current to avoid tripping the main fuse. When the actual current purchased is close to the set grid connection current, in order to avoid tripping, the charger will reduce the charging power till pause charging. The charger will restart automatically after the difference between the set grid connection current and the current purchased from the grid meets the starting conditions of the charger.

Step 1 Tap **...** > **Settings** > **Dynamic Load Control**.

Step 2 Enable or disable **Dynamic Load Control** based on actual needs.



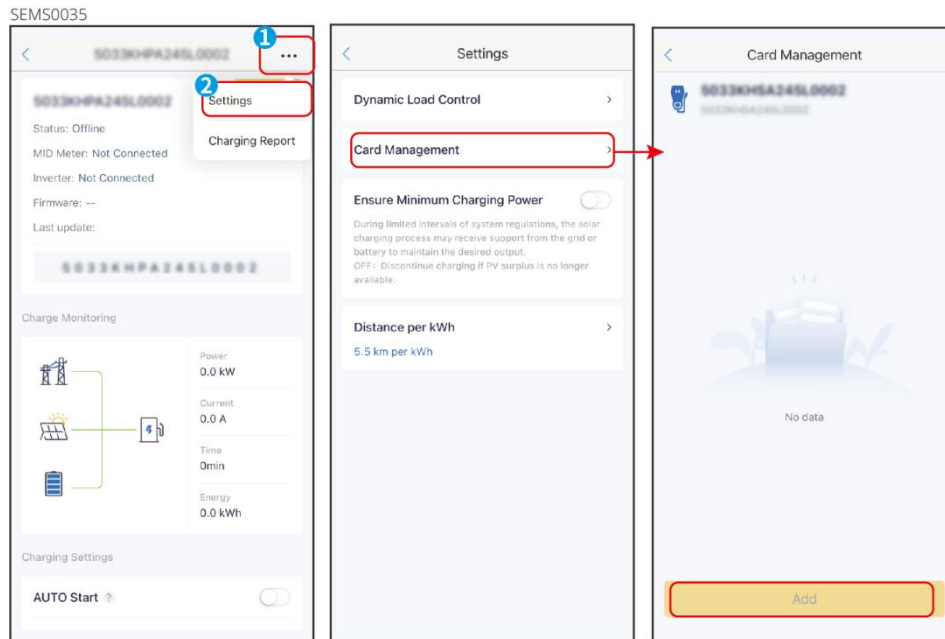
Manage the EV Card

RFID cards can be added and deleted, and each charger can bound up to 10 cards.

After binding the card, tap the card to start charging the EV.

Step 1 Tap **...** > **Settings** > **Card Management**.

Step 2 Add or delete cards based on actual needs.

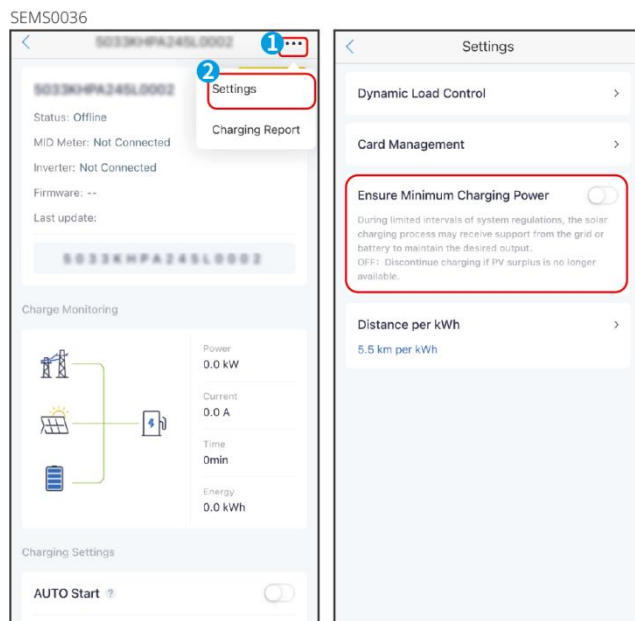


Set the Minimum Charging Power

When the energy of the PV or PV+battery is insufficient, the charger can get support from the grid or the battery to maintain the desired power output if the Ensure Minimum Charging Power is enabled. The function is only available under the PV Priority or PV + Battery modes.

Step 1 Tap **...**.

Step 2 Enable or disable **Ensure Minimum Charging Power** based on actual needs.



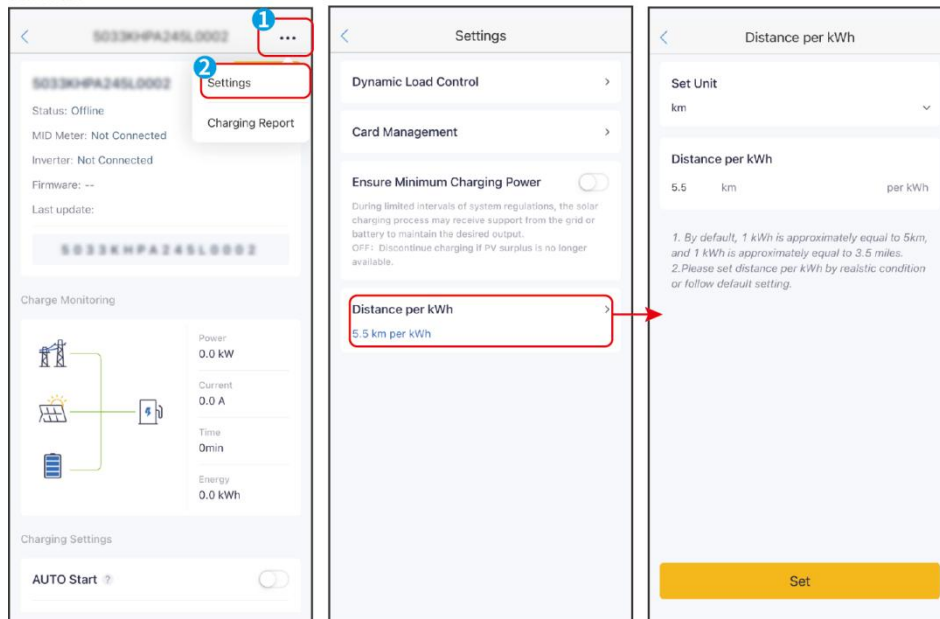
Set the Distance per kWh

Set the unit or keep the default setting.

Step 1 Tap ******* > **Settings** > **Distance per kWh**.

Step 2 Set the unit to km or mile based on actual needs. Tap **Set** to complete the settings.

SEMS0037



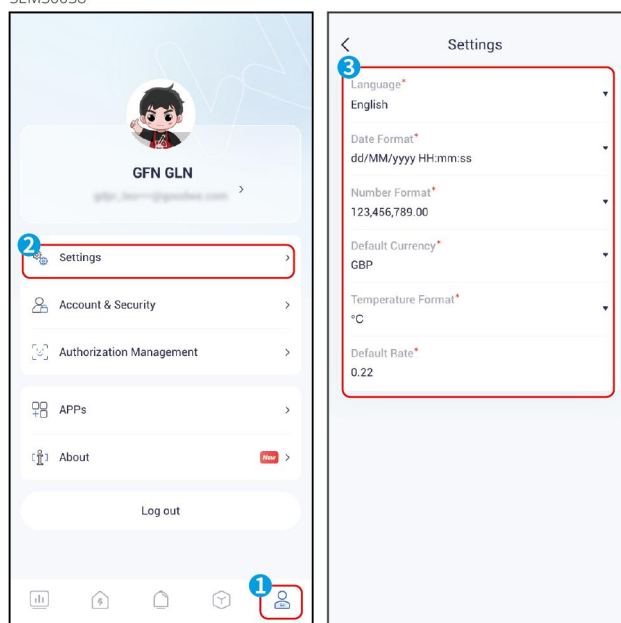
4.5 Other Settings

4.5.1 Setting Display Unit Format

Step 1 Go to **My** page and tap **Settings**.

Step 2 Configure language, date format, currency, temperature units, and return rate based on your preferences.

SEMS0038



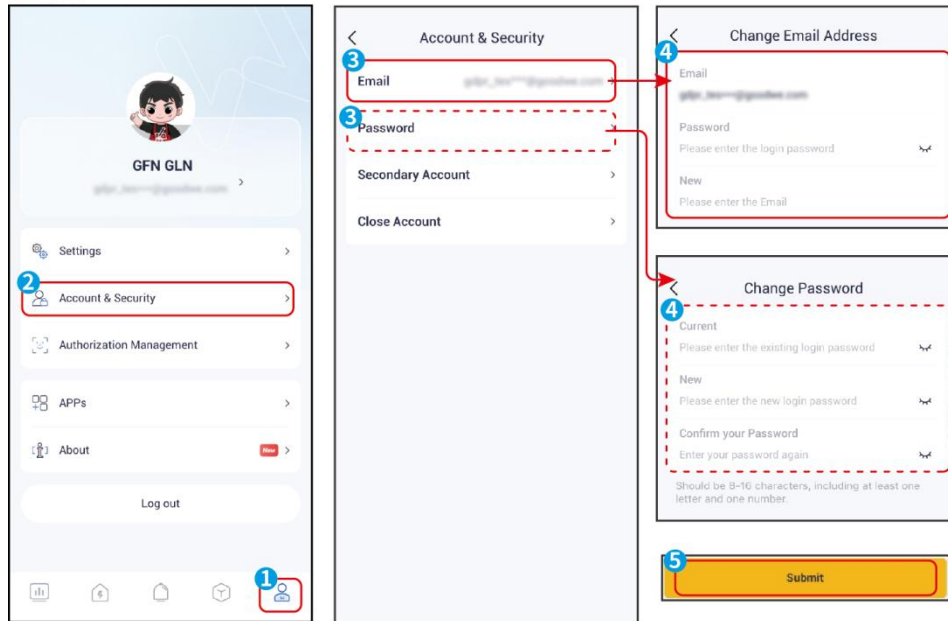
4.5.2 Setting Account Security Information

To enhance account security, you can update the email address or password linked to your account.

Step 1 Go to **My** page and tap **Account&Security**.

Step 2 Modify the email address or password Tap **Submit** to save changes.

SEMS0039



4.5.3 Setting Authorization Management

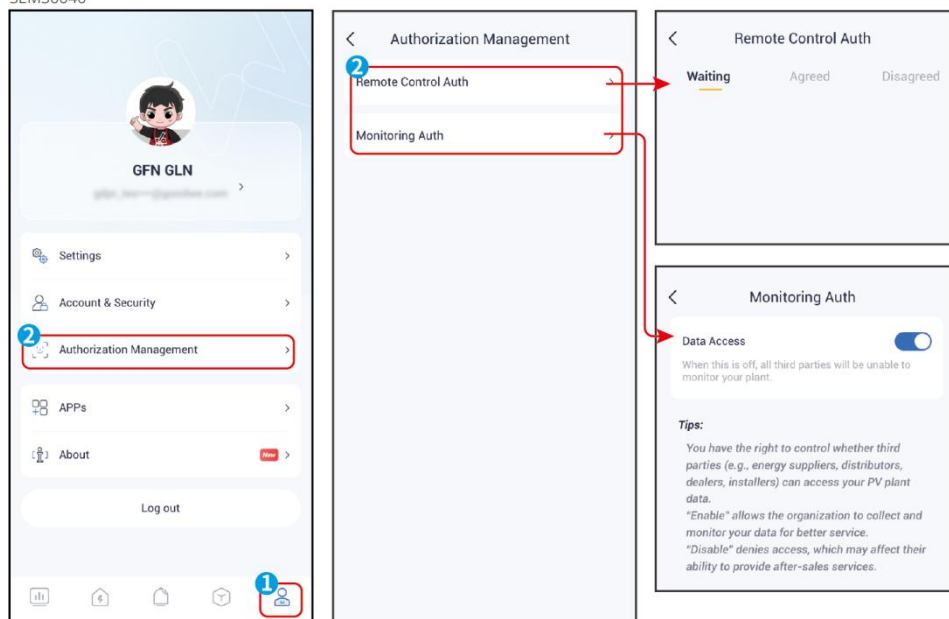
NOTICE

- Monitoring Auth is available for AUS/NZ and Europe server.
- To enable remote control by third-party grid companies, contact GoodWe for authorization.
- Monitoring Auth is only for End User. End User can restrict monitoring access by enabling Monitoring Auth, accounts other than the owner and authorized visitors cannot monitor the power station.

Step 1 Go to **My** page and tap **Authorization Management**.

Step 2 Set the permissions based on actual needs.

SEMS0040



4.5.4 Setting the DNSP

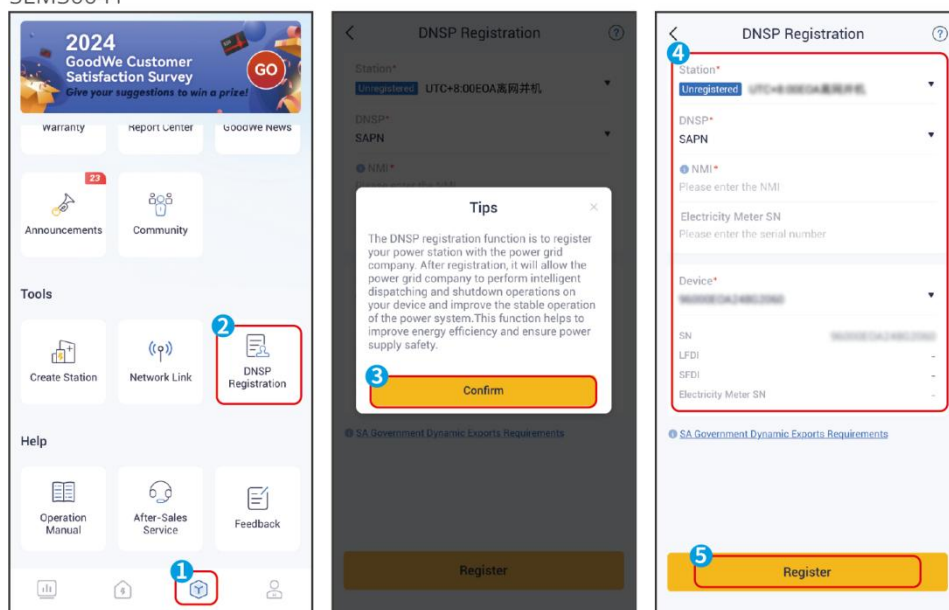
NOTICE

- Only for Australia.
- Register the station with the grid company to allow them to limit the station's output power.

Step 1 Go to **Service** page and tap **DNSP Registration**.

Step 2 Set DNSP information as required.

SEMS0041



No.	Parameters	Description
1	Station	Select the station to be registered.
2	DNSP	Select the grid company. Supports: SAPN.
3	NMI	National Meter Identifier. Set the NMI number.
4	Device	Select a device. Once you select a device, its serial number and other details are filled in.

5 FAQs

5.1 How to Reset a Forgotten Password

Tap **Forgot Password** and follow the steps to reset the password via email verification or device SN verification.

SEMS0042

The image displays three screenshots of the SEMS+ application interface for password reset:

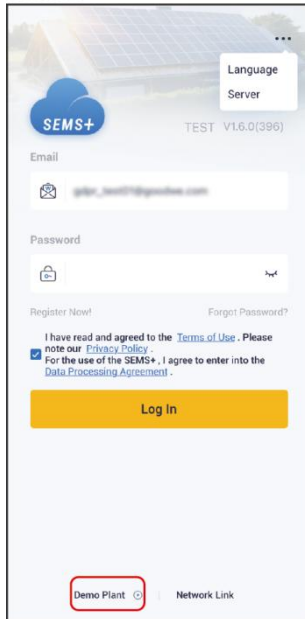
- Left Screenshot:** The main login screen. It features the SEMS+ logo, a version number (TEST V1.6.0(396)), and fields for Email and Password. A red circle with a blue '1' highlights the 'Forgot Password' link below the password field. At the bottom, there are links for 'Demo Plant' and 'Network Link'.
- Middle Screenshot (Via Email):** A screen titled 'Forgot password?'. It prompts the user to 'Enter or scan device SN'. A red circle with a blue '2' highlights the 'Device SN' input field. Below it is a 'Check Code' field with the instruction 'Enter the correct Check code'. At the bottom, a yellow 'Submit' button is highlighted with a red circle and a blue '3'.
- Right Screenshot (Via SN):** Another 'Forgot password?' screen. It prompts the user to 'Please enter the Email address you used to create your SEMS+ account, and we'll send a link to reset your password.' A red circle with a blue '2' highlights the 'Email' input field. Below it is an 'Identifying Code' field with the instruction 'Please enter identifying code' and a QR code. At the bottom, a yellow 'Submit' button is highlighted with a red circle and a blue '3'.

5.2 How to Use Demo

Demo provides limited information as browser, for demonstration purposes only.

Step 1 Tap **Demo Station**.

SEMS0043

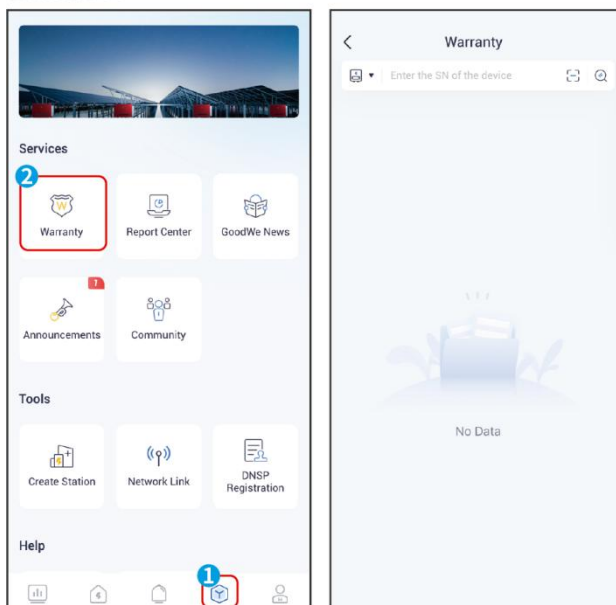


5.3 How to Check Warranty Information

Step 1 Go to the **Service** tab and tap **Warranty**.

Step 2 Search for a device using its SN to view detailed warranty information.

SEMS0044

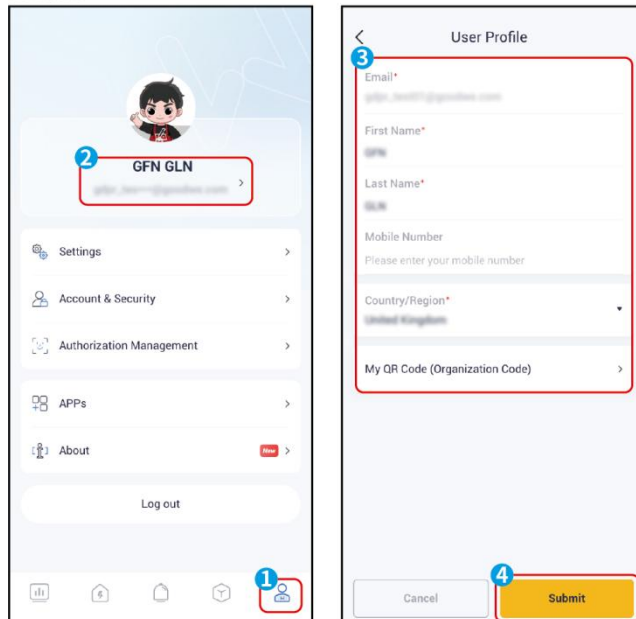


5.4 How to Modify Account Basic Information

Step 1 Go to **My** page and tap user name to enter **User Profile** page.

Step 2 Modify the user information as needed.

SEMS0045

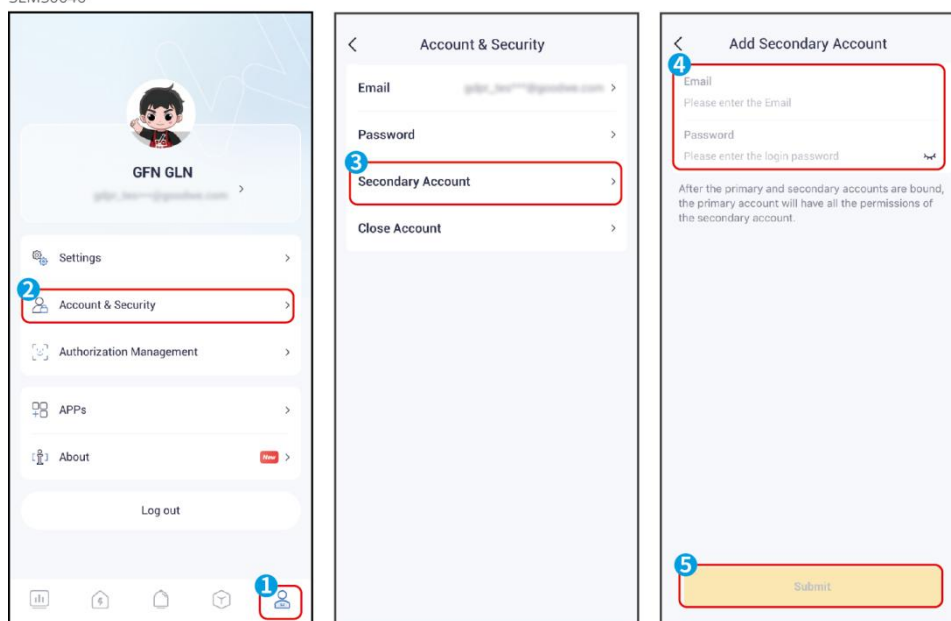


5.5 How to Add a Secondary Account

Step 1 Go to **My** page and tap **Account&Security**.

Step 2 Tap **Secondary Account** and input the details. Tap **Submit** to complete the settings.

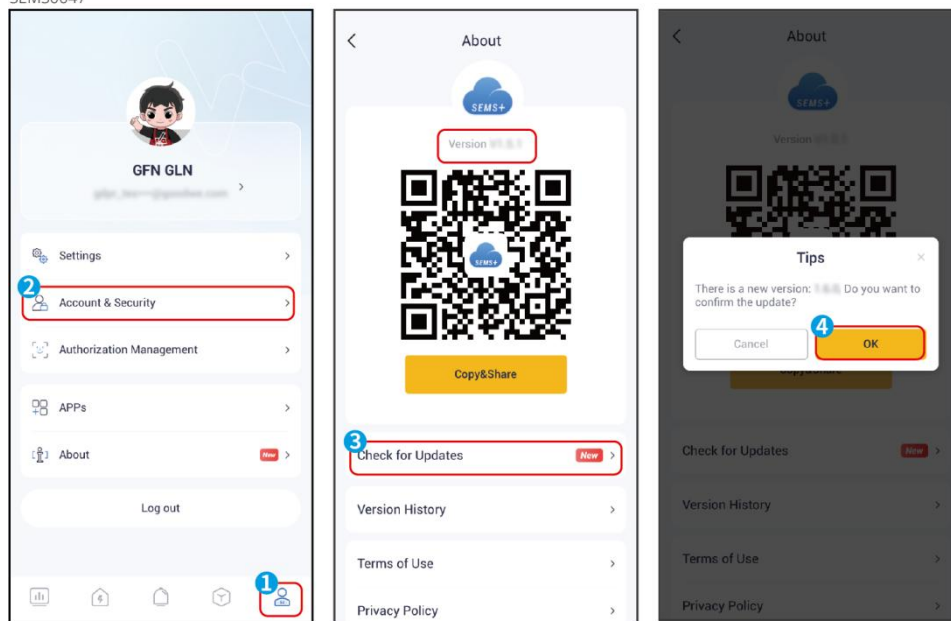
SEMS0046



5.6 How to Check or Update App Version

Step 1 Go to **My** page and tap **About**.

Step 2 Check the current App version above the QR code. Tap **Check for Updates** to update to the latest App version.



6 Troubleshooting

No.	Fault	Cause	Solutions
1	Unable to install SEMS+ App	<ol style="list-style-type: none"> 1. The smart phone operating system version is too low. 2. The smart phone prevents installing the App. 	<ol style="list-style-type: none"> 1. Upgrade the phone operating system. 2. Select Setting > Security > Install Apps from external sources on your smart phone.
2	The WiFi signal is not included in the App device list.	The app is not connected to the WiFi signal.	<ol style="list-style-type: none"> 1. Make sure that the WiFi dongle works normally. 2. Refresh the device list. If the signal is still missing, restart the App.
3	Login failed	<ol style="list-style-type: none"> 1. The phone is not connected to the Internet. 2. SEMS+ is in maintenance. 	<ol style="list-style-type: none"> 1. Check if mobile data of the cell phone is enabled and has access to the Internet. 2. SEMS+ is in maintenance. Try again later.
4	Unable to launch App	<ol style="list-style-type: none"> 1. The smart phone operating system version is too low. 	<ol style="list-style-type: none"> 1. Upgrade the phone operating system. 2. Check if the App version is the

		2. The App version is too low.	latest version.
5	Data acquisition failure during operation	Communication between the device and SEMS+ is interrupted.	<ol style="list-style-type: none"> 1. Check whether the communication between the device and the router is normal. 2. Check if the communication between the router and the cloud is normal.