

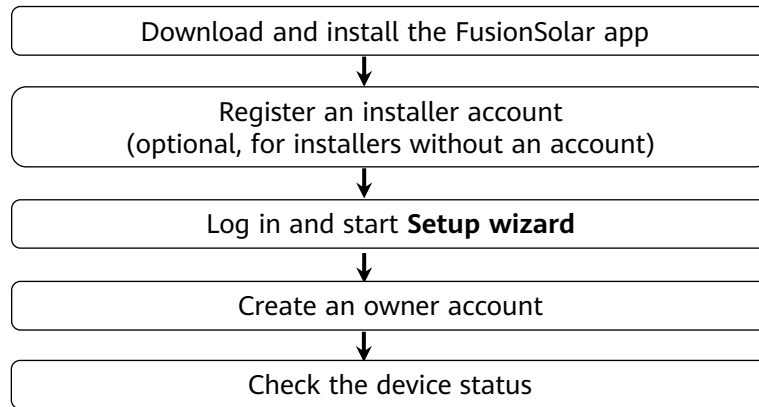
FusionSolar App Quick Guide

Issue: 10
Date: 2025-07-10



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FusionSolar App Deployment Process



- Figures in this document are for reference only.
- Use the initial password to connect to the device WLAN, which can be obtained from the label on the device. (The initial password is **Changeme** for some products that have been discontinued.)
- Log in using an **installer** user account for deployment and commissioning. For the first login, set the password as prompted. (The initial password is **00000a** for some products that have been discontinued.)
- To ensure account security, protect the password by changing it periodically, and keep it secure. Your password might be stolen or cracked if it is left unchanged for extended periods. If a password is lost, devices cannot be accessed. In these cases, the Company shall not be liable for any loss caused to the plant.

This document applies to the following scenarios:

- Inverter with built-in WLAN for local commissioning
- In RS485 cascading networking.
- SDongleA-05+Distributed inverter/SDongleB-06+Commercial inverter
- Inverter with a SmartLogger for local commissioning

1. Downloading and Installing the FusionSolar App

Method 1: Download and install the app from the app store.

- Huawei phone users: Search for *FusionSolar* in Huawei AppGallery.
- iPhone users: Search for *FusionSolar* in the App Store.
- Other mobile phone users: Select method 2.

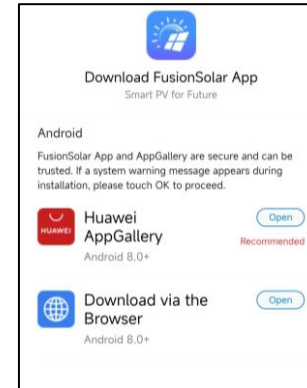


Method 2: Scan the QR code to download and install the app.



Users who select method 2 can select the download method based on the mobile phone type.

- Huawei mobile phone users: Download from Huawei AppGallery.
- Non-Huawei phone users: Download on a browser.



Note:

When you select **Download via the Browser**, if a security warning message is displayed indicating that the app is from an external source, tap **ALLOW**.

2. Register an Installer Account (Optional, for Installers Without an Account)

Register the first installer account and create a company account.

English

FusionSolar

Username or email

Password

No account?

Forgot password?

Log In

Demo site

Role

I'm an owner

I'm an installer

Both the email address and username can be used to log in to FusionSolar app.

Installer Registration

If your company has been registered as an installer in the system, request your company administrator to add you to the company.

Company name

Please select a country/region

Enter an email address.

Enter your username.

Enter the verification code.

Send Code

Enter the password.

Confirm password

I agree to the Terms of Use and I have read the Privacy Policy.

Register

To create multiple installer accounts for the same company, log in to the FusionSolar app to Add User or Invite User.

Add user

English

FusionSolar

Username or email

Password

No account?

Forgot password?

Log In

Demo site

Plants Statistics

Setup wizard

Add user

1 All

1 Normal

0 Faulty

0 Offline

Enter a plant name.

My PV Plant

China mainland xxx

0.00kWp

0.00kWh

100.00kWh

VS

Home

Maintenance

Devices

Services

Me

Add user

*Service provider

*Role

*Plant Association

*Username

Avatar

Country/Region code

+86

Mobile number

*Email

I have obtained the owner's authorization.

You must have obtained owner's authorization for any third-party personal information that you provide here.

Cancel

Save

Invite a user

Plants Statistics

Setup wizard

Invite User

1 All

1 Normal

0 Faulty

0 Offline

Enter a plant name.

My PV Plant

China mainland xxx

0.00kWp

0.00kWh

100.00kWh

VS

Home

Maintenance

Devices

Services

Me

Invite User

*Service provider

*Role

*Plant Association

*Email

I have obtained the owner's authorization.

You must have obtained owner's authorization for any third-party personal information that you provide here.

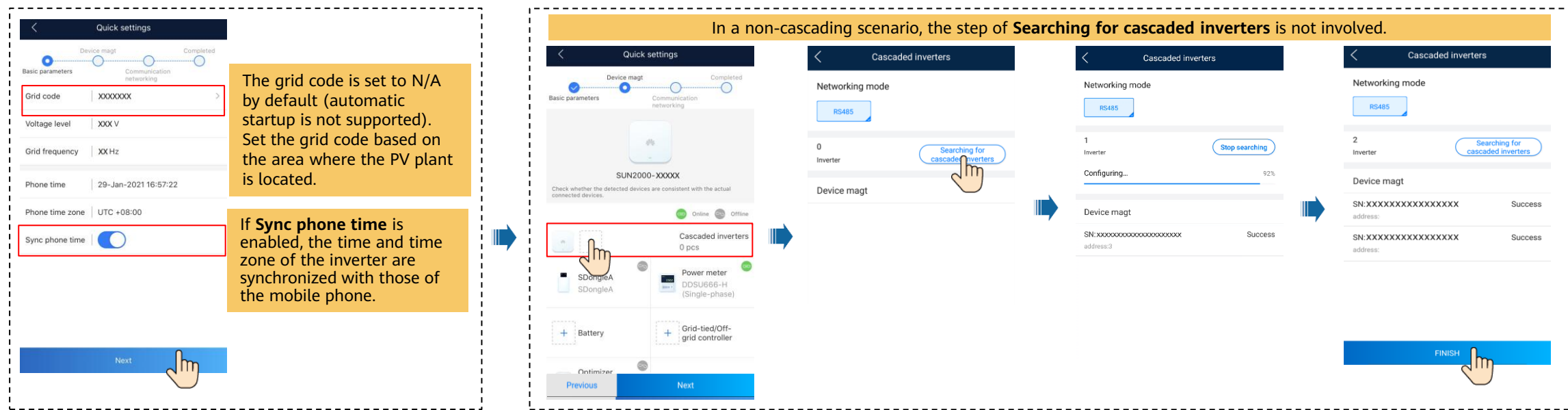
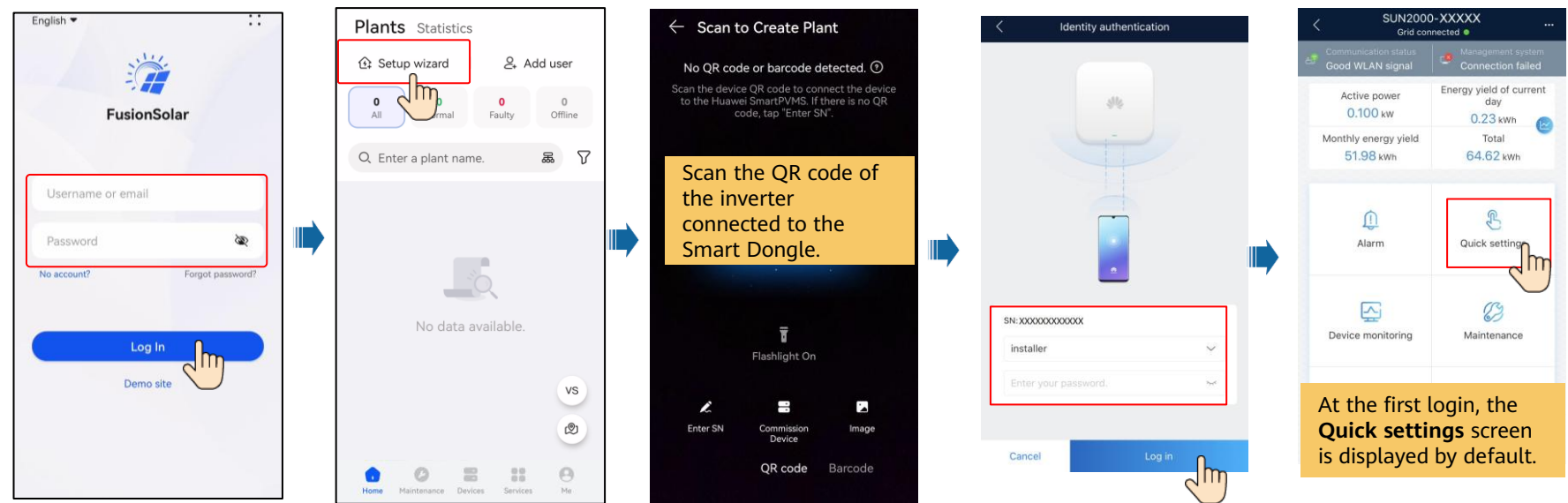
Cancel

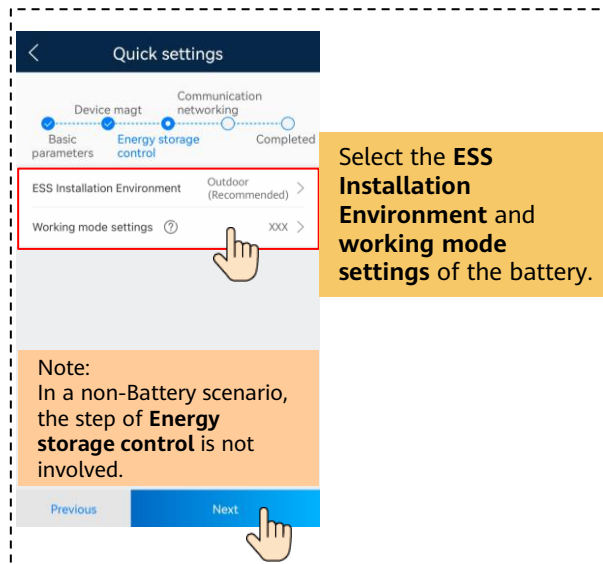
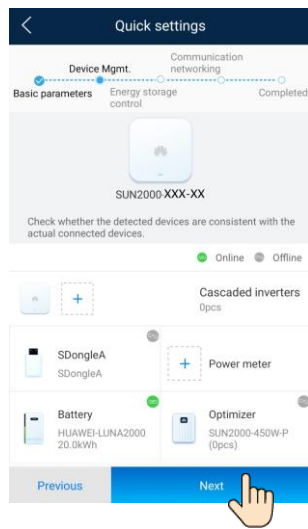
Save

Note:
In some regions, the function of inviting users is not supported. The actual page prevails.

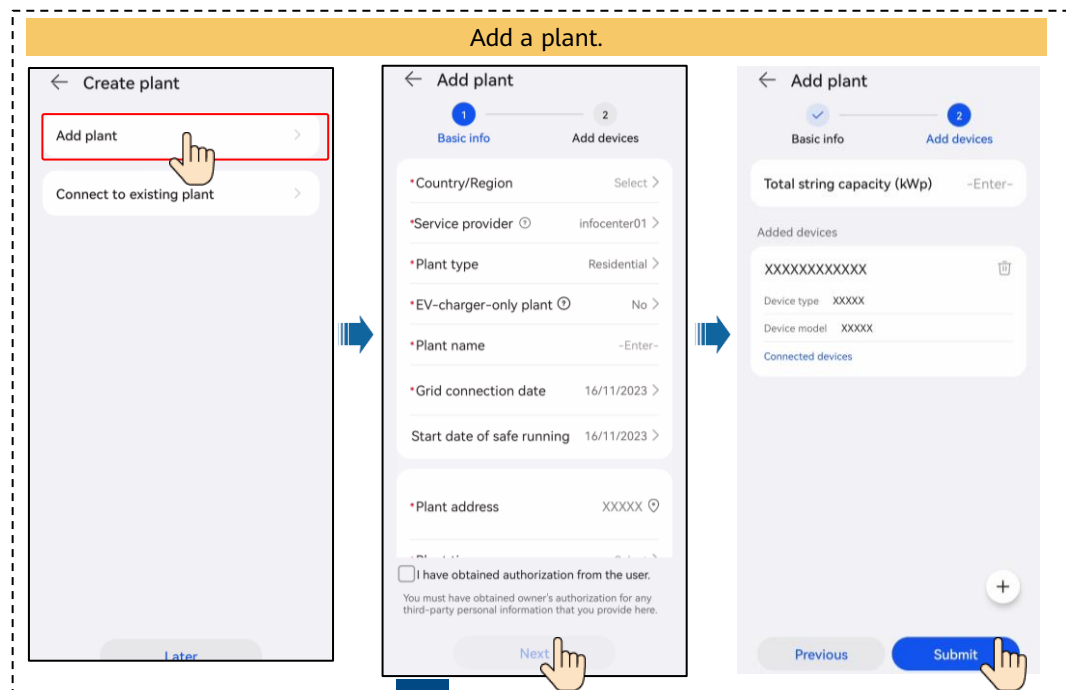
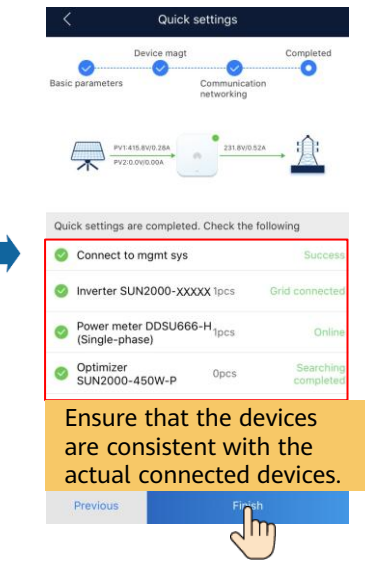
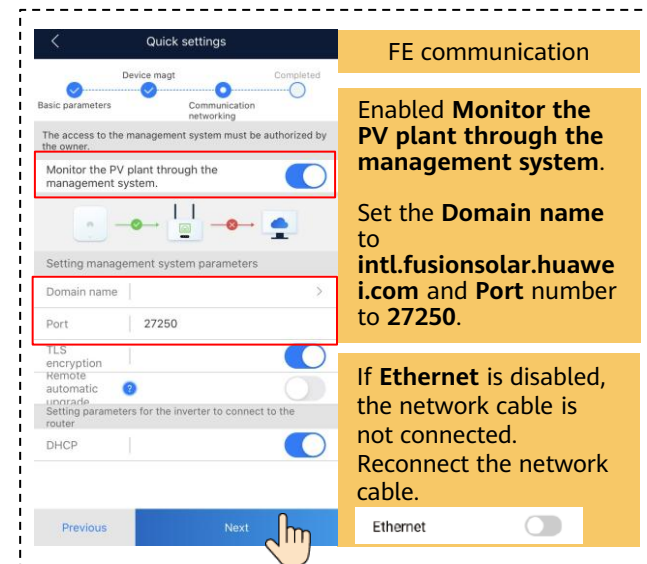
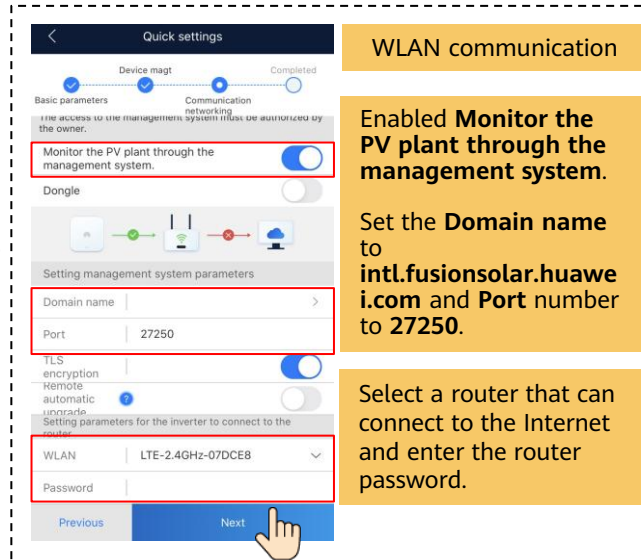
3. Log in and Start Setup Wizard

- **WLAN/FE SDongle+Built-in WLAN of the Inverter**



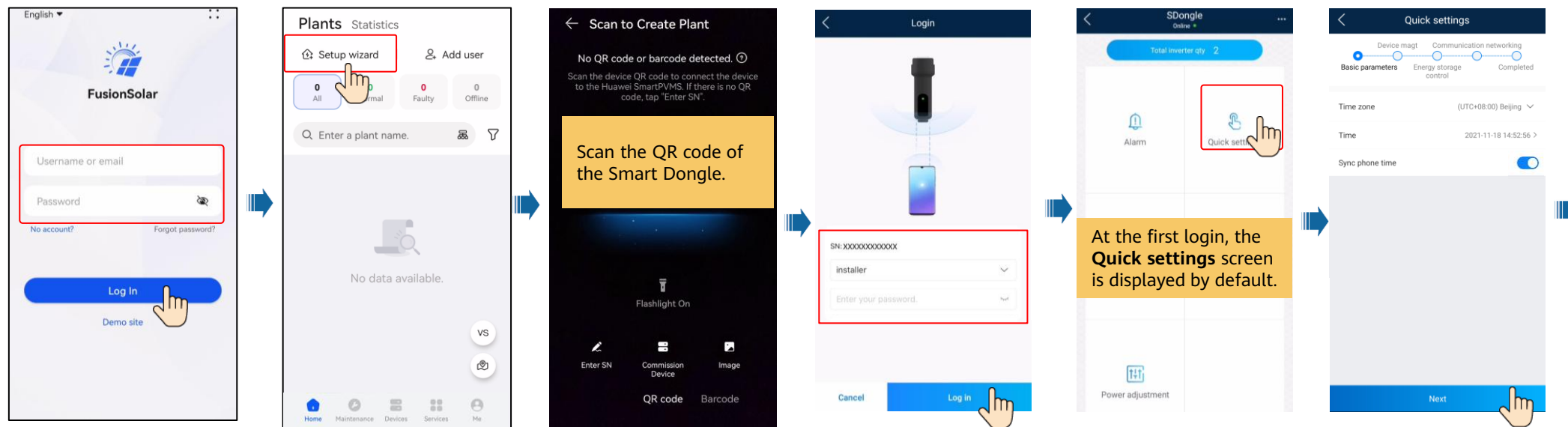
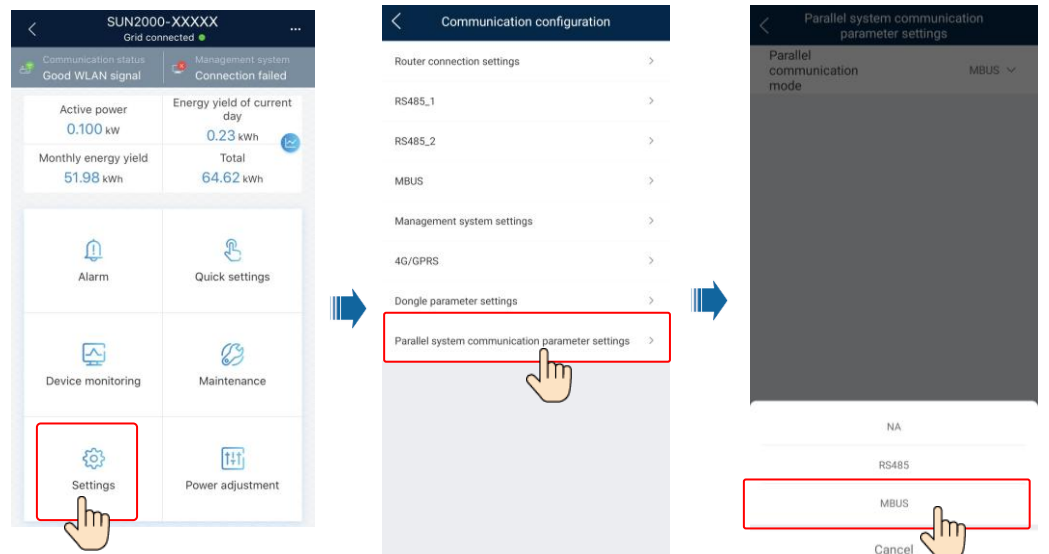


Set network parameters and domain name.



• SDongleA-05+Distributed inverter/SDongleB-06+Commercial inverter

In the MBUS cascading scenario, use the USB-WLAN module to connect to the inverter, and then log in to the commissioning page of inverter to set the parallel parameter.



In cascading scenarios, you need to manually search for cascaded inverters.

Upload the SN file to search for cascaded inverters. (On the app connection page, click MBUS whitelist to generate an SN file.)

The grid code is set to N/A by default (automatic startup is not supported). Set the grid code based on the area where the PV plant is located.

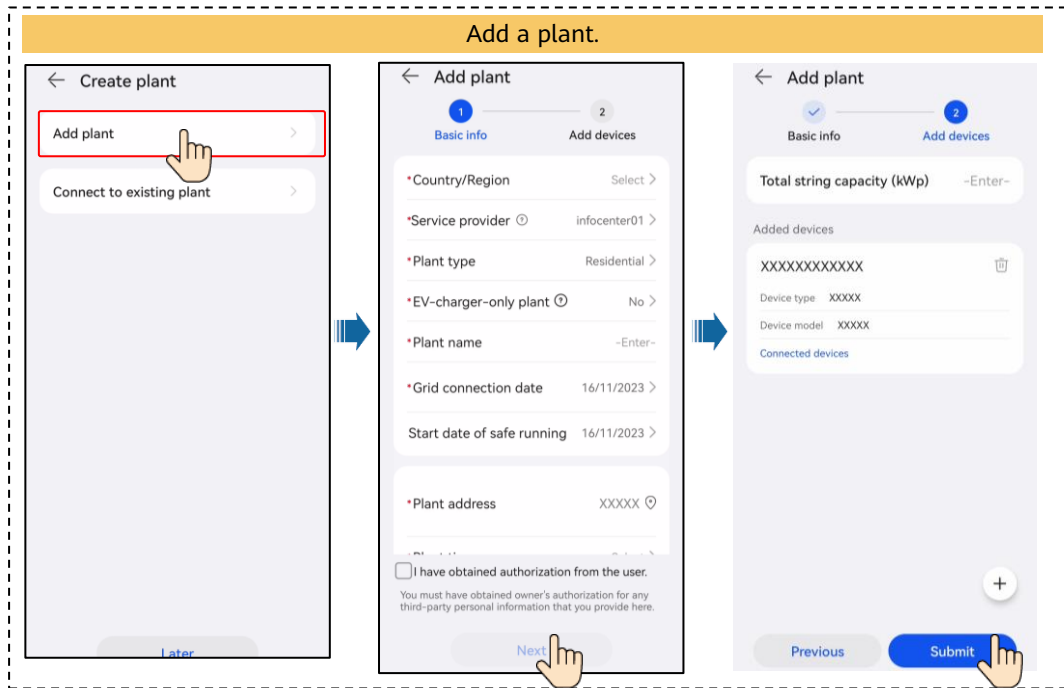
Select the **working mode settings** of the battery.

Note:
In a non-Battery scenario, the step of **Energy storage control** is not involved.

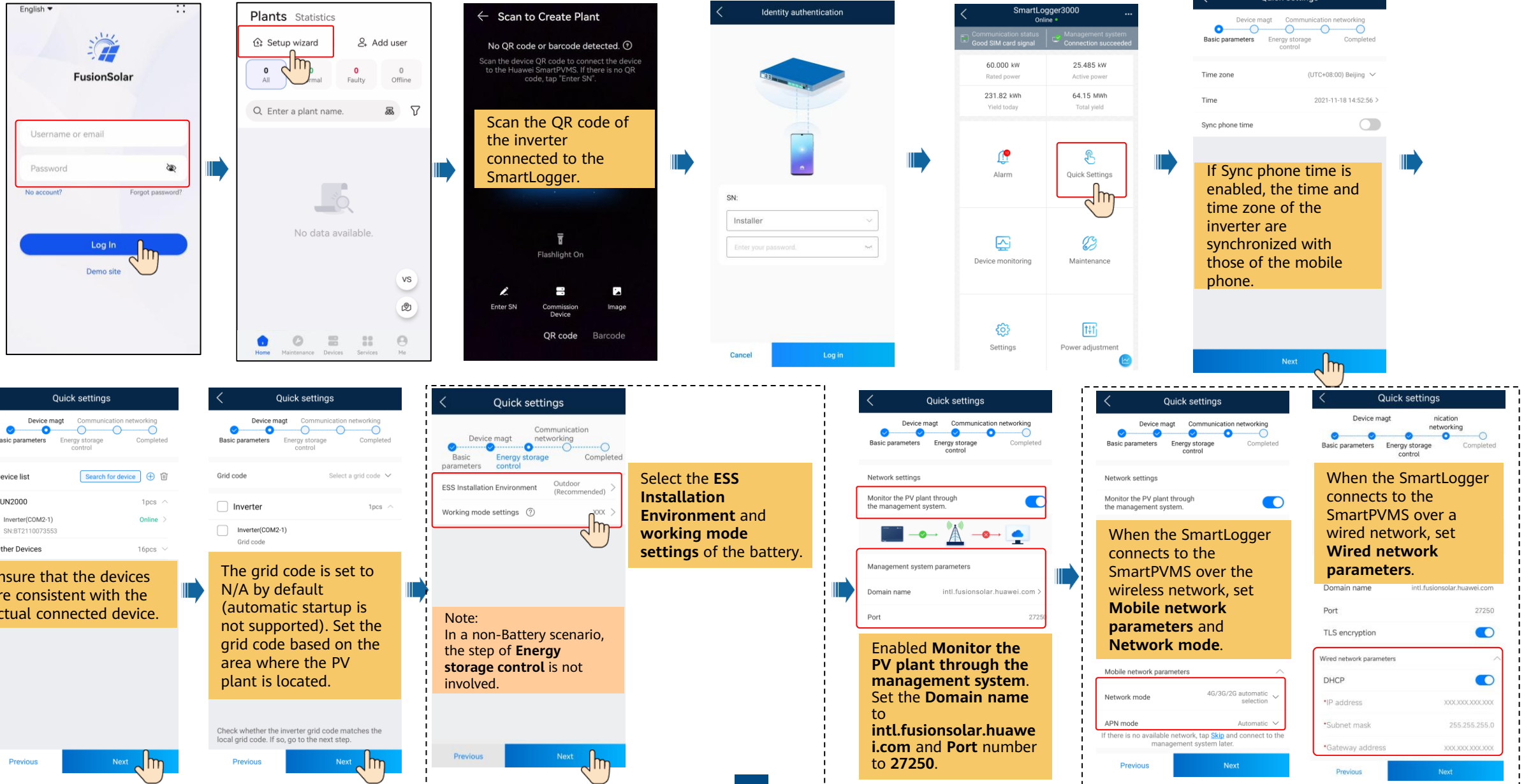
Set communication parameters based on the actual networking scenario.

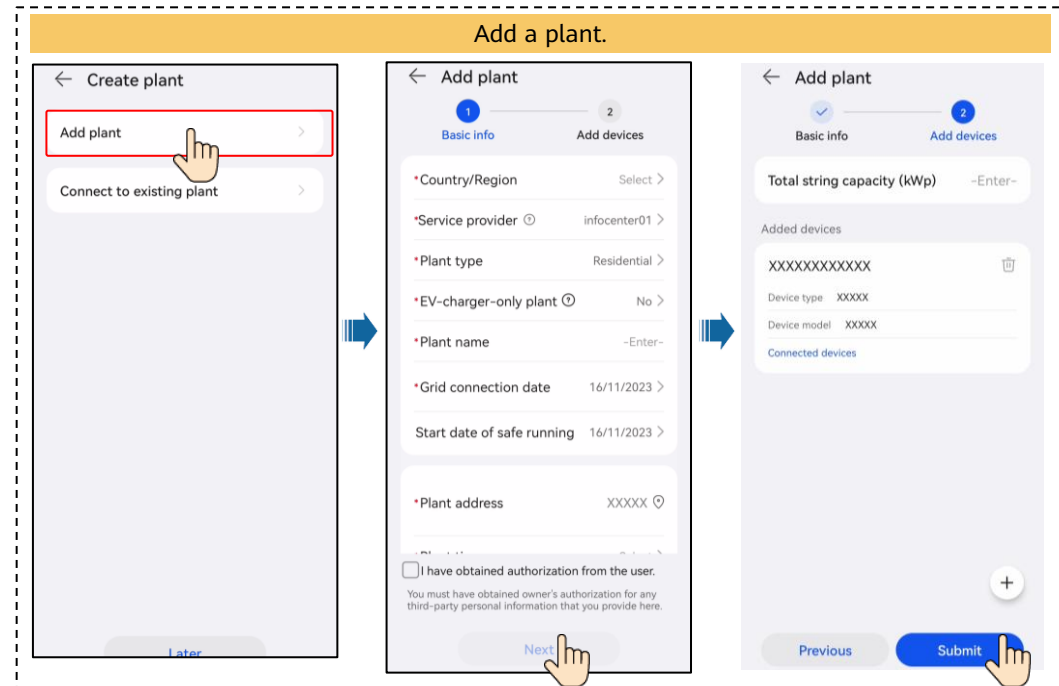
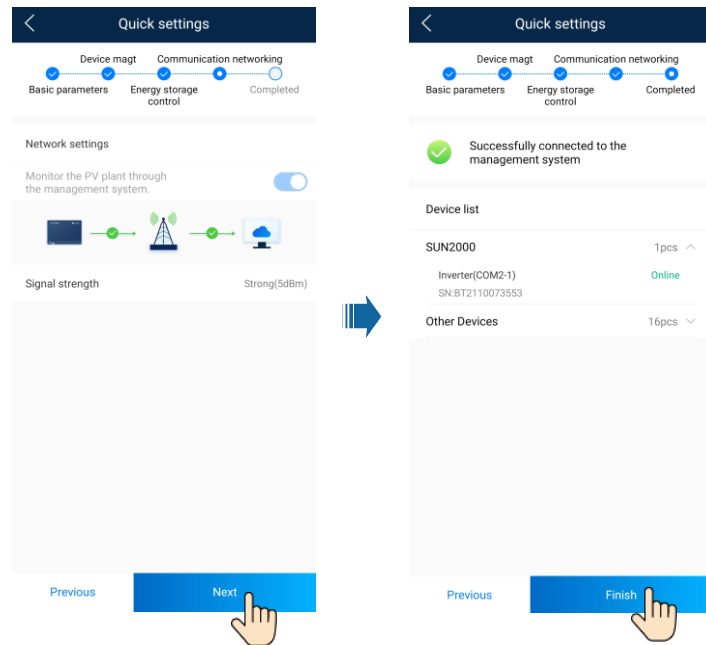
Networking	Parameters
FE communication	DHCP is enabled by default. If the router does not support DHCP, disable DHCP and manually assign an IP address.
WLAN communication	Select the router you want to connect to, enter the password, and tap Connect Router.
4G communication	By default, APN mode is set to Automatic. When this mode cannot be used to access the Internet, set the parameter to Manual. In this case, set the parameters related to the SIM card based on the information obtained from the carrier.

Set the **Domain name** to **intl.fusionsolar.huawei.com** and **Port** number to **27250**.



• Local Commissioning Using the SmartLogger of the Inverter





4. Create an owner account

Add user

Plants Statistics

Setup wizard Add user

All Normal Faulty Offline

Enter a plant name.

My PV Plant
China mainland xxx
0.000kWp 0.00kWh
100.00kWh

VS

Home Maintenance Devices Services Me

Add user

Service provider

Role

Plant Association

Username

Avatar

Country/Region code +86

Mobile number

Email

I have obtained the owner's authorization.
You must have obtained owner's authorization for any third-party personal information that you provide here.

Cancel Save

or

Invite a user

Plants Statistics

Setup wizard Invite User

All Normal Faulty Offline

Enter a plant name.

My PV Plant
China mainland xxx
0.000kWp 0.00kWh
100.00kWh

VS

Home Maintenance Devices Services Me

Invite User

Service provider

Role

Plant Association

Email

I have obtained the owner's authorization.
You must have obtained owner's authorization for any third-party personal information that you provide here.

Cancel Save

Note:

In some regions, the function of inviting users is not supported. The actual page prevails.

After receiving the invitation, the user accesses the registration page to register an account.

Register an account

FusionSolar English Log In

Account Registration

Country/Region

Email
xxx@xx.xxx

Username

Password

Confirm password

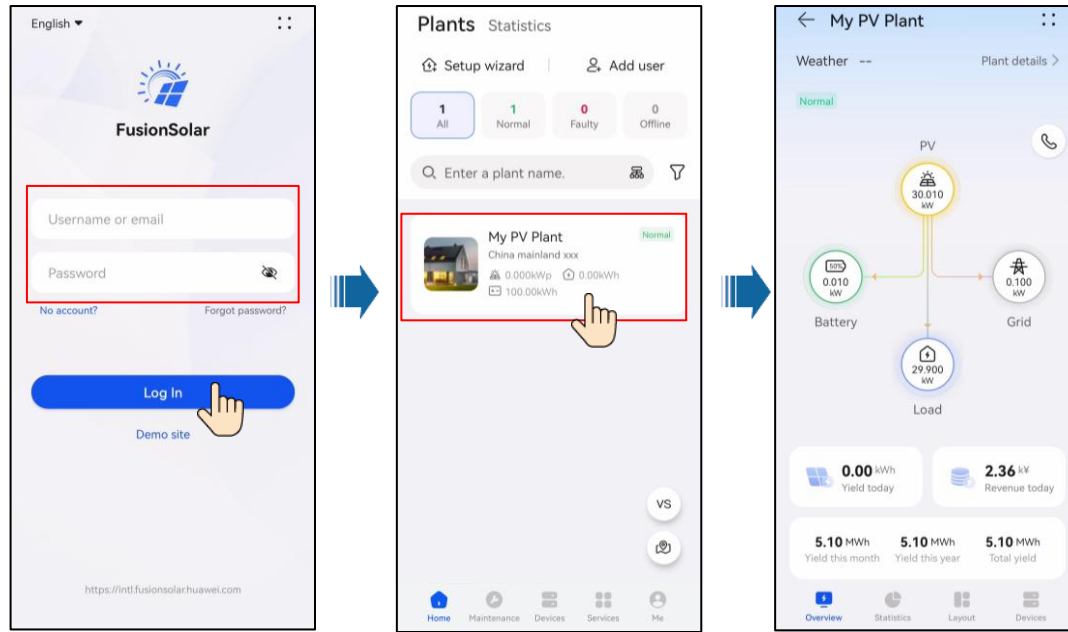
Email verification code
Send Code

I agree to Terms of Use and I have read Privacy Policy.

Submit

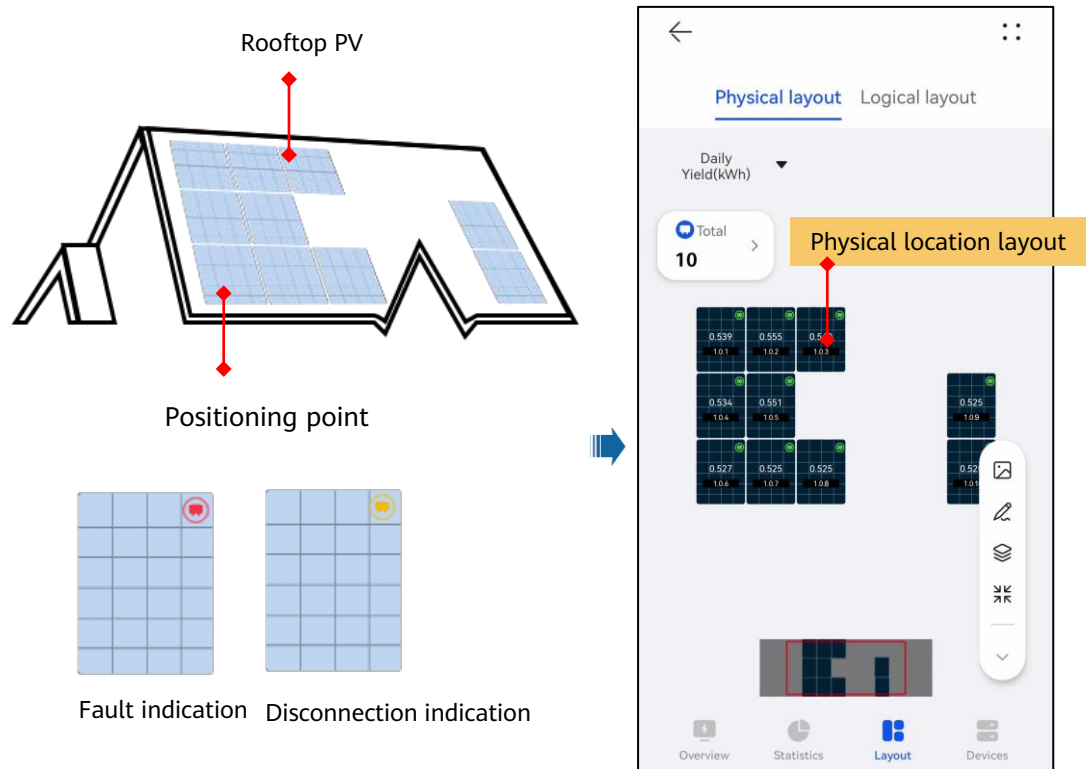
5. Checking the Device Status

- Checking the Device Status Using Device Commissioning

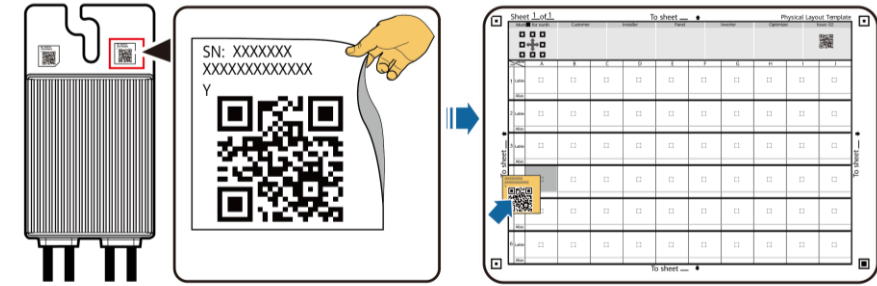


FAQ. Physical Layout Design (With Optimizers)

1. The physical layout must be configured for optimizers. When an optimizer is faulty, it can be quickly located and replaced based on the physical layout.
2. The optimizer disconnection detection is available only after the physical layout is complete. Perform optimizer disconnection detection and view the result on the **Optimizer layout** screen.

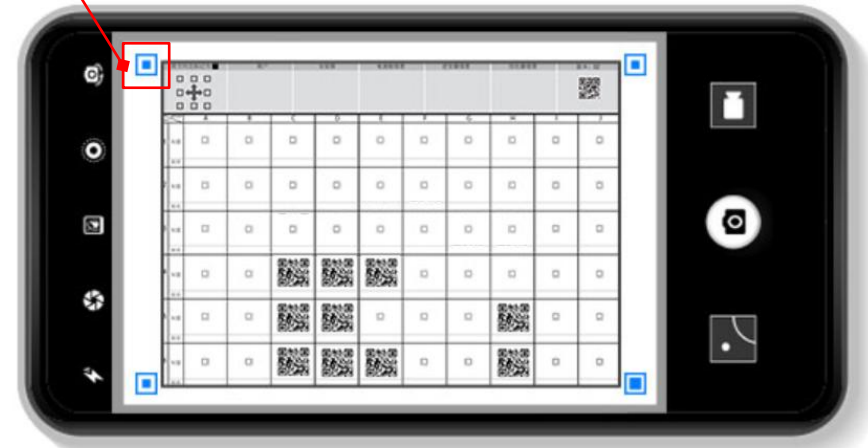


Step 1 After determining the installation position of an optimizer, remove the SN label from the optimizer and attach it to the physical layout template.



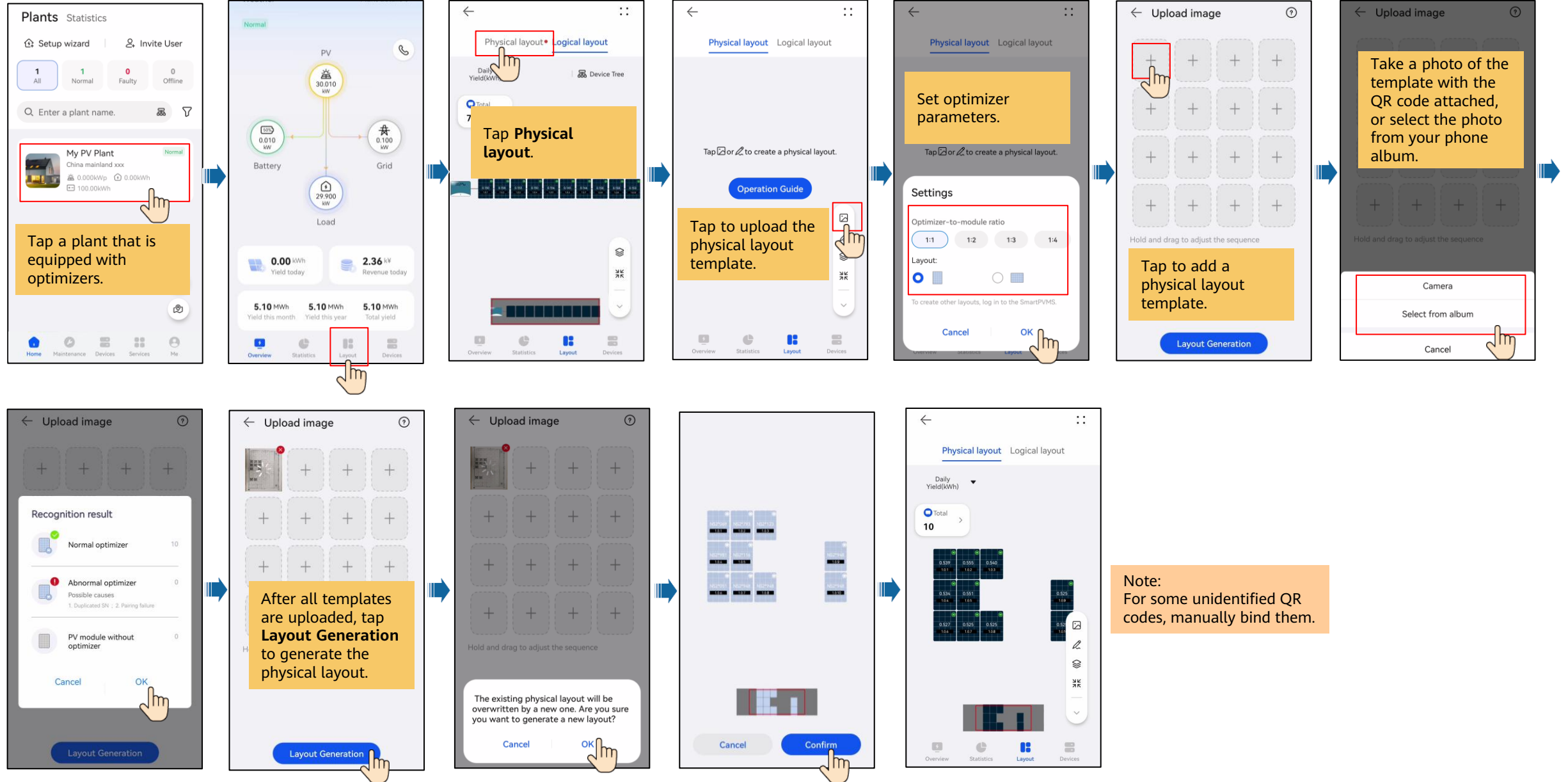
Step 2 Take a photo of the template with the QR code attached.

Positioning point for photographing



Note: Ensure that the four positioning points on the template are within the frame.

FAQ . Physical Layout Design



Indicators on the Smart Dongle

LED		Remarks	Description
Color	Status		
N/A	Off	Normal	The Dongle is not secured or is not powered on.
Yellow (blinking green and red simultaneously)	Steady on		The Dongle is secured and powered on.
Green	Blinking in a 2-second cycle (on for 0.1s and then off for 1.9s)	Normal	Dialing (duration < 1 min)
		Abnormal	If the duration is longer than 1 min, the 4G parameter settings are incorrect. Reset the parameters.
	Blinking at long intervals (on for 1s and then off for 1s)	Normal	The dial-up connection is set up successfully (duration < 30s).
		Abnormal	If the duration is longer than 30s, the settings of the management system parameters are incorrect. Reset the parameters.
	Steady on	Normal	Successfully connected to the management system.
	Blinking at short intervals (on for 0.2s and then off for 0.2s)		The inverter is communicating with the management system through the Dongle.
Red	Steady on	Abnormal	The Dongle is faulty. Replace Dongle.
	Blinking at short intervals (on for 0.2s and then off for 0.2s)		The Dongle has no SIM card or the SIM card is in poor contact. Check whether the SIM card has been installed or is in good contact. If not, install the SIM card or remove and insert the SIM card.
	Blinking at long intervals (on for 1s and then off for 1s)		The Dongle fails to connect to the management system because it has no signals, weak signal, or no traffic. If the Dongle is reliably connected, check the SIM card signal through the APP. If no signal is received or the signal strength is weak, contact the carrier. Check whether the tariff and traffic of the SIM card are normal. If not, recharge the SIM card or buy traffic.
Blinking red and green alternatively	Blinking at long intervals (red for 1s and green for 1s)		No communication with the inverter - Remove and insert the Dongle. - Check whether inverters match the Dongle. - Connect the Dongle to other inverters. Check whether the Dongle or the USB port of the inverter is faulty.
	Blinking at short intervals (red for 0.2s and green for 0.2s)	Normal	The Dongle is being upgraded locally.