HYXiPOWER
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WiFi Microinverter System

HYX-M300/400/500/600/700/800/ 900/1000/1600/1800/2000-SW -General

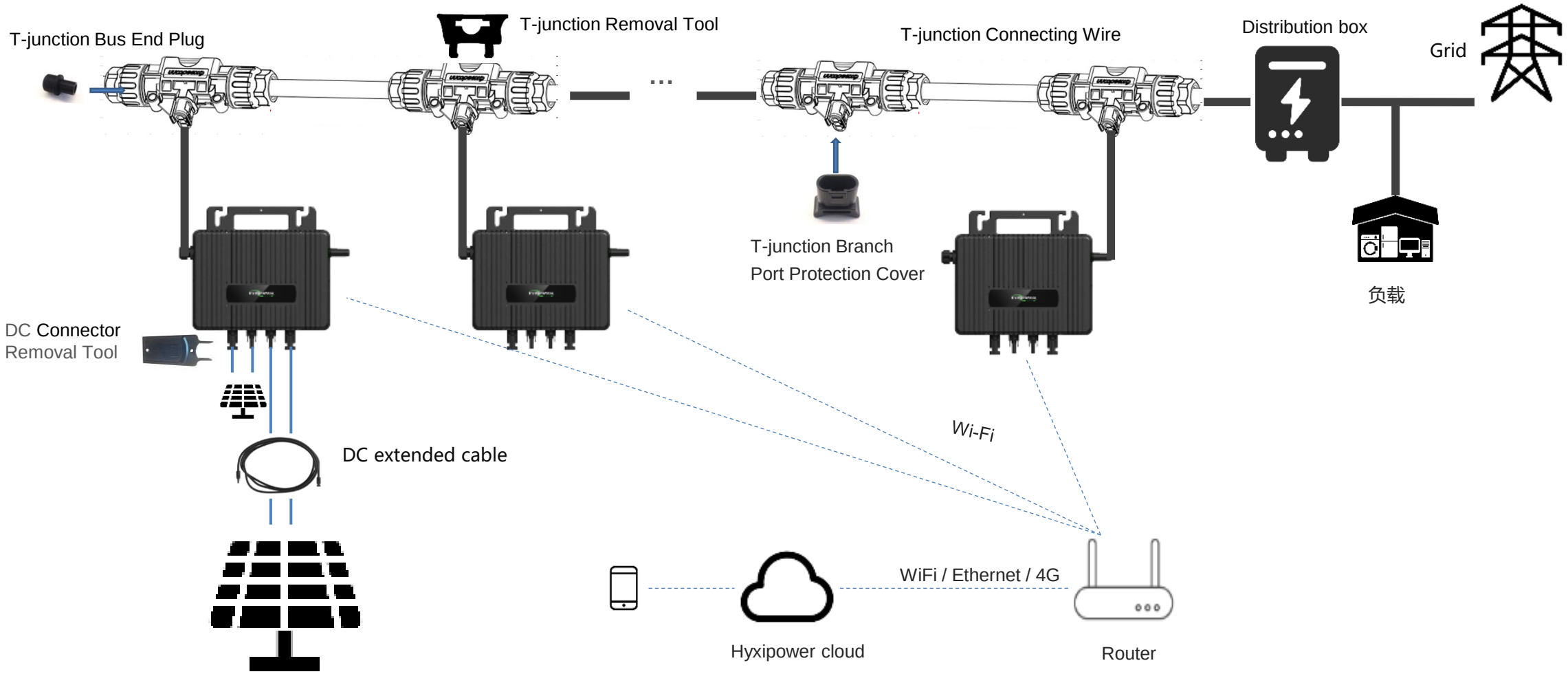
Delivery & Service Department

April, 2025

品质 创新 高效 共赢

Contents

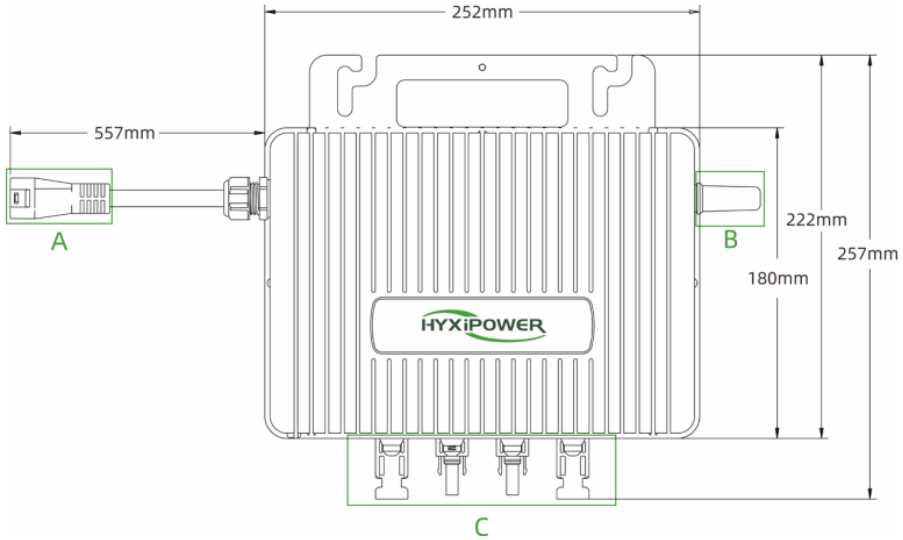
Program Overview-Solution Overview



Solid line: physical connection

Dashed line: internet connection

Program Overview- Inverter Introduction



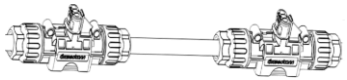
No.	Component Name
A	AC Branch Connector
B	WIFI Antenna
C	DC terminal

LED Color	LED Status	Status Description
Green	Fast flashes(1s gap)	Normal
	Slow flashes(3s gap)	Communication fault
	Slow flashes(5s gap)	PV input fault
Red	Light on	Ground fault
	Fast flashes(1s gap)	Fault
	Fast flashes(1s gap)	AC fault

Contents

1.6 Common Product List for Microinverter Systems

The following product list is included in the pre-sale kit.
Before system installation, please check if all equipment and tools are fully prepared.

NO.	Product Name	Picture	Description
1	WIFI Microinverters		Equipment for generating electricity
2	DC Extension Cable		Extending the connection distance between microinverters and photovoltaic modules
3	T-junction Bus End Plug		Protecting unused bus connection ports on AC bus connectors at the end of AC branches
4	T-junction Branch Port Protection Cover		Protecting unused branch connection ports on AC bus connectors
5	T-junction Removal Tool		Removing the upper cover of the AC bus connector for loading, unloading, or replacing the AC bus cable
6	T-junction Bus Connector		Connecting the AC output of the microinverter to the AC bus
7	DC Connector Removal Tool		Disassembling the connection between the photovoltaic module and the input of the microinverter
8	T-junction connecting wire		It can be connected the microinverter to the distribution box for AC side convergence. The T-junction connecting wire is composed of T-junction bus connector and cables, and the spacing between the connectors on the bus is evenly distributed.

1.7 Common Product List for Microinverter Systems

The following product list is not included in the pre-sale kit and needs to be purchased separately.

Before system installation, please check if all equipment and tools are fully prepared.

NO.	Product Name	Description	Product Specification
1	Screws	Fixing Microinverter	M8*25
2	DC Extension Cable	Extending the connection distance between microinverters and photovoltaic modules	DC-EC-1m

** If the DC extension cables are included in the list, there is no need to purchase again.

1.8 Installation Preparation–Tool Installation

Installation Tool


Electric Drill


Heat Gun


Hex Key


Wire Stripper


Hydraulic Pliers


Crimping Tool


Screwdriver


Marker Pen

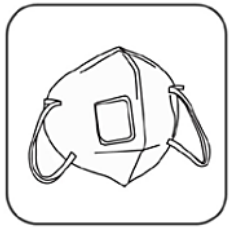

Utility Knife


Multimeter


Tape Measure


Hammer

Protect Tool


Protective Mask


Safety Glasses


Insulated Safety Shoes


Insulating Gloves

Contents

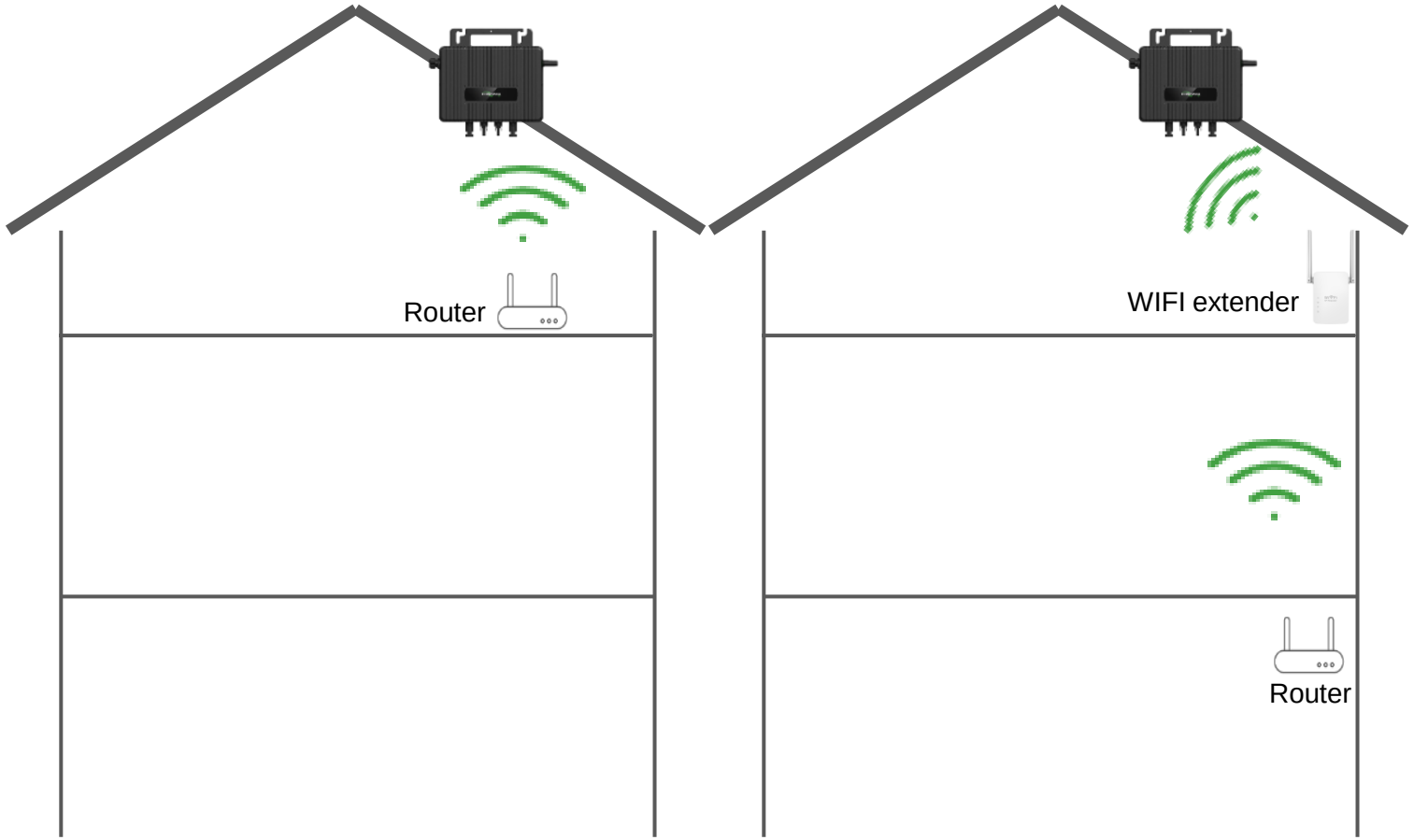
Device Installation- Product Unboxing Inspection

Inverter Unboxing Inspection:

- Check whether the device hardware and ports are intact.
- Check whether the device accessories are intact.

No.	Name
1	AC Branch Connector
2	DC Terminal
3	Antenna

Device Installation- Network Inspection



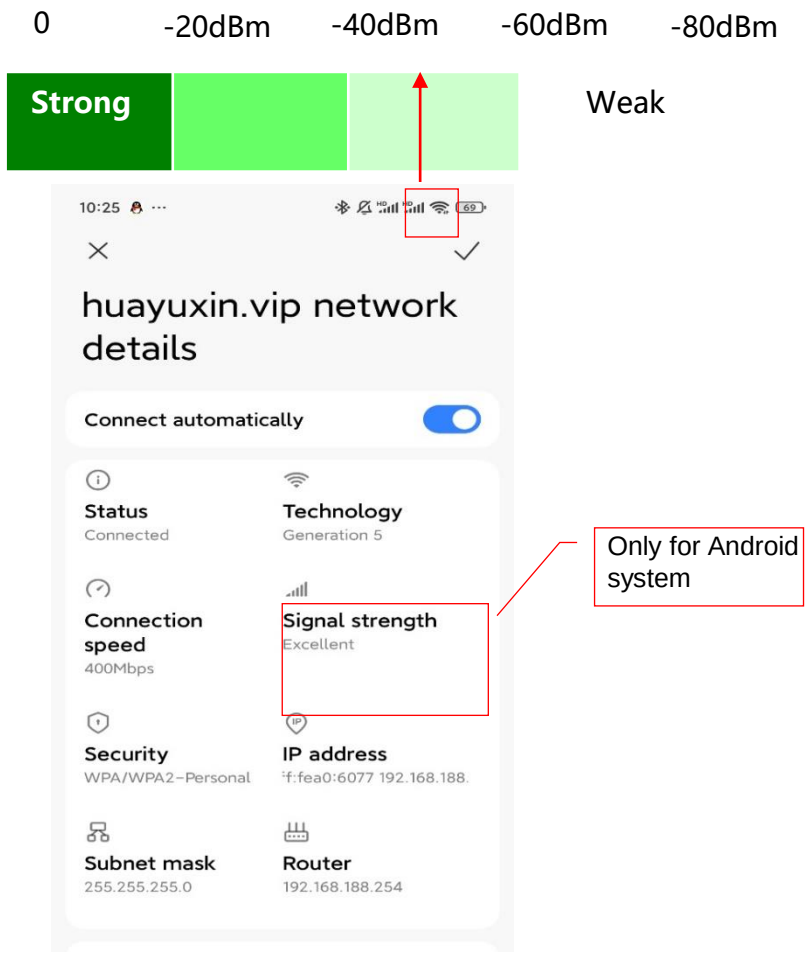
Before installation, the installer should visit the site at least once for inspection.

1. Communicate with the end user and place the router on the top floor.

2. If the router cannot be placed on the top floor due to objective reasons, it is best to adjust the router on the first floor to a position as close to the roof as possible, and then place a Wi-Fi extender on the top floor.

Device Installation-Network Inspection

- The installer use a professional signal detection tool to check the signal strength of the router or Wi-Fi extender at the installation location of the Wi-Fi microinverters. Recommended signal value: 0 to -50 dBm



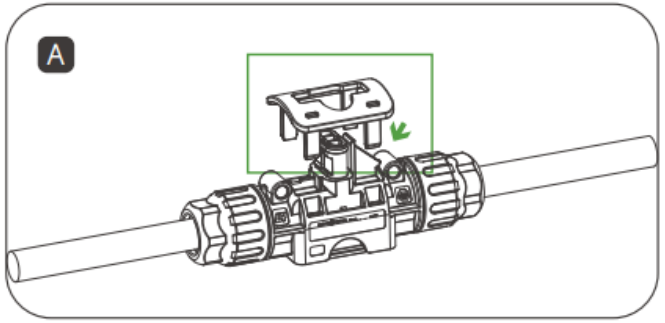
Note: Please adjust the position or network to make sure the signal strength is above -50 dBm for proper use and maintenance.

- **Alternative solution:** if a signal detection tool is unavailable: Go to the Wi-Fi settings on a smartphone and check the signal strength based on text or icons.

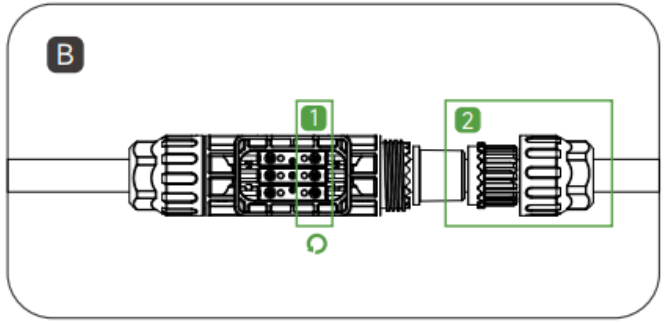
Device Installation-T junction

Step 1: Prepare several sections of T-junction connecting wires according to the number of Microinverters to be installed on site.

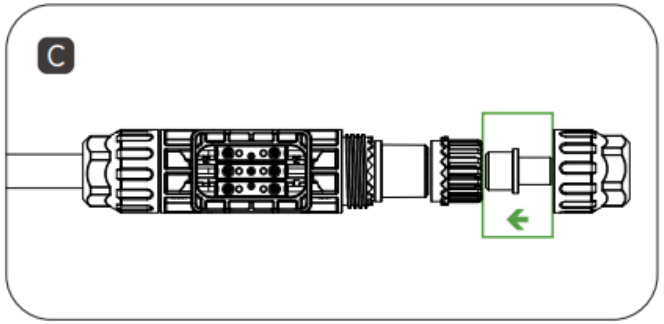
Step 2: Removing the T-junction cable at the end.



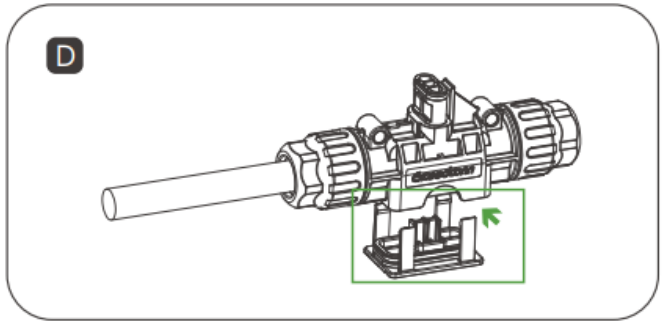
Use the T-junction removal tool to remove the lower cover.



Loosen the inner screw, unscrew the nut, and remove the cable.



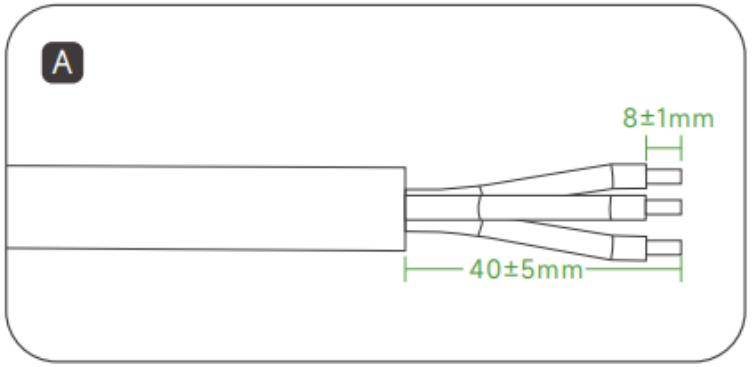
Install a T-junction bus end plug at the end of the T-junction.



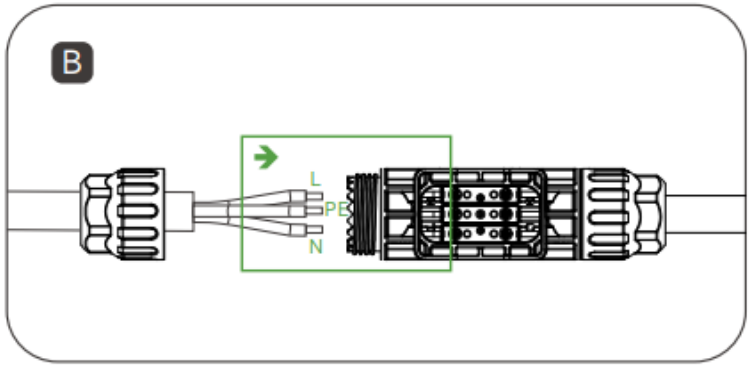
Insert the lower T-junction cover back into place and make sure it is secure.

Device Installation-T junction

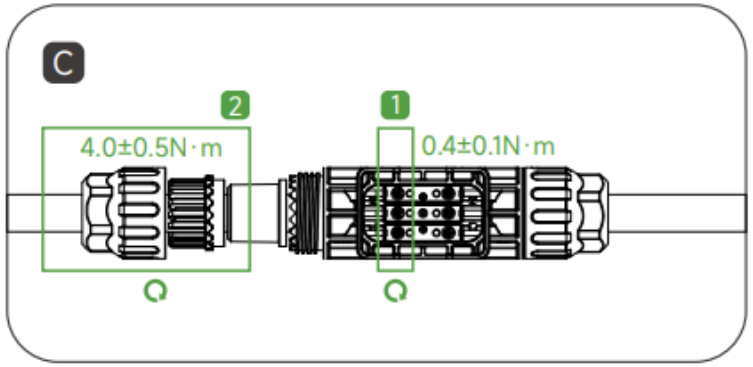
Step 3: T-junction and bus connection



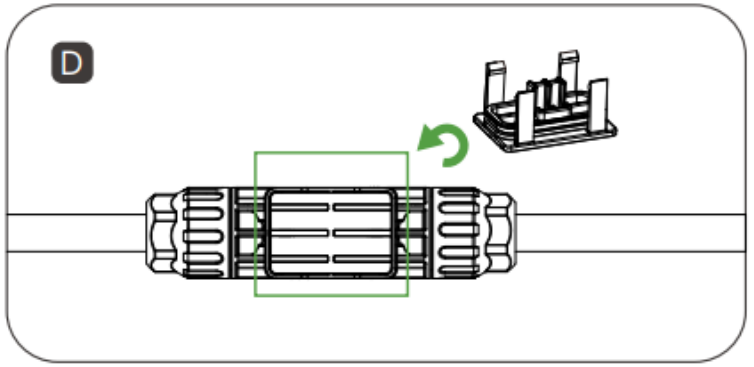
Prepare the AC cable by stripping the ends



Insert the AC cable into the T-junction connector at the correct hole position.

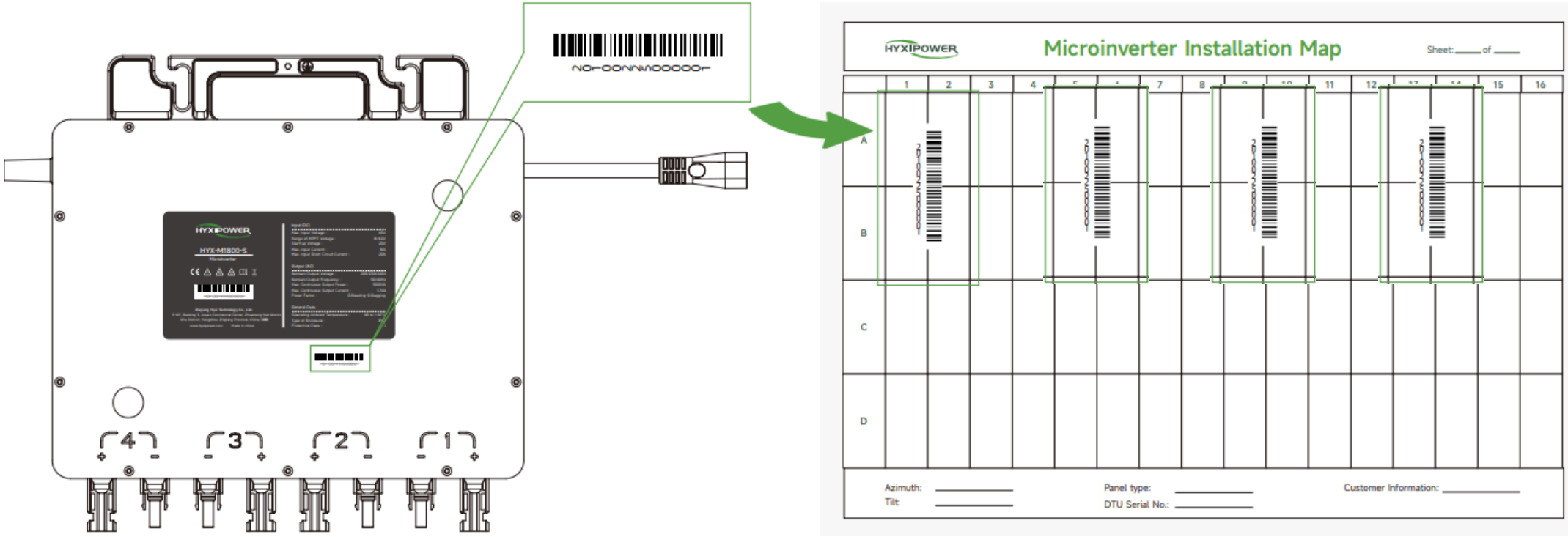


Tighten the screws, and then the nuts.



Insert the lower T-junction cover back into place, making sure it is secure.

Device Installation-Draw Installation Map



Installation Map of Microinverters

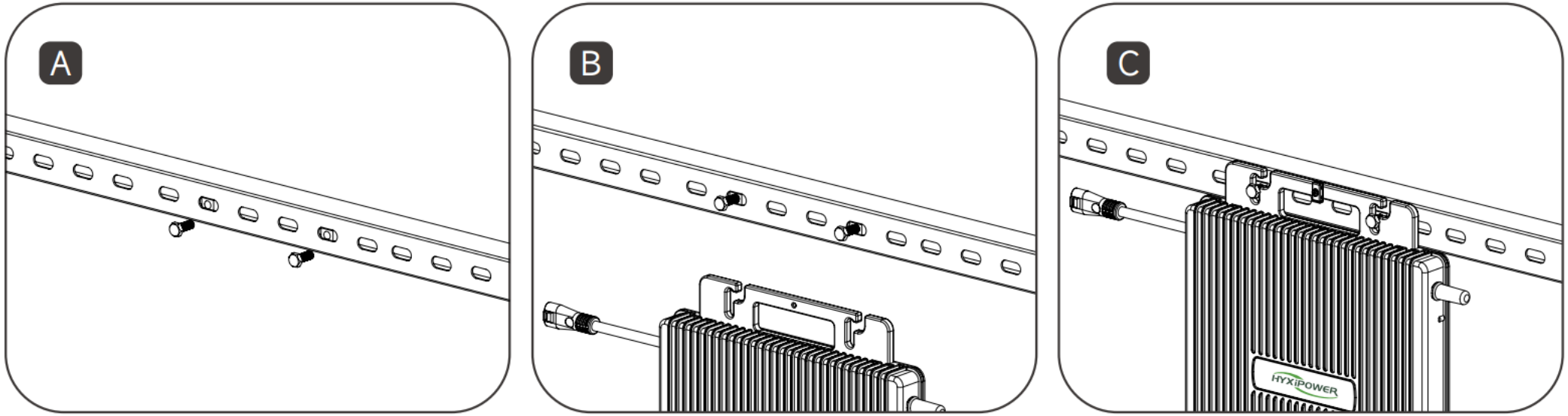
Step1: Record the location of the Microinverters to facilitate operation and maintenance

Step2: Facilitate the establishment of connection between DMU and microinverters

Device Installation- Microinverter

Step 1: Mark the installation position of the Microinverter on the bracket according to the layout of the photovoltaic modules.

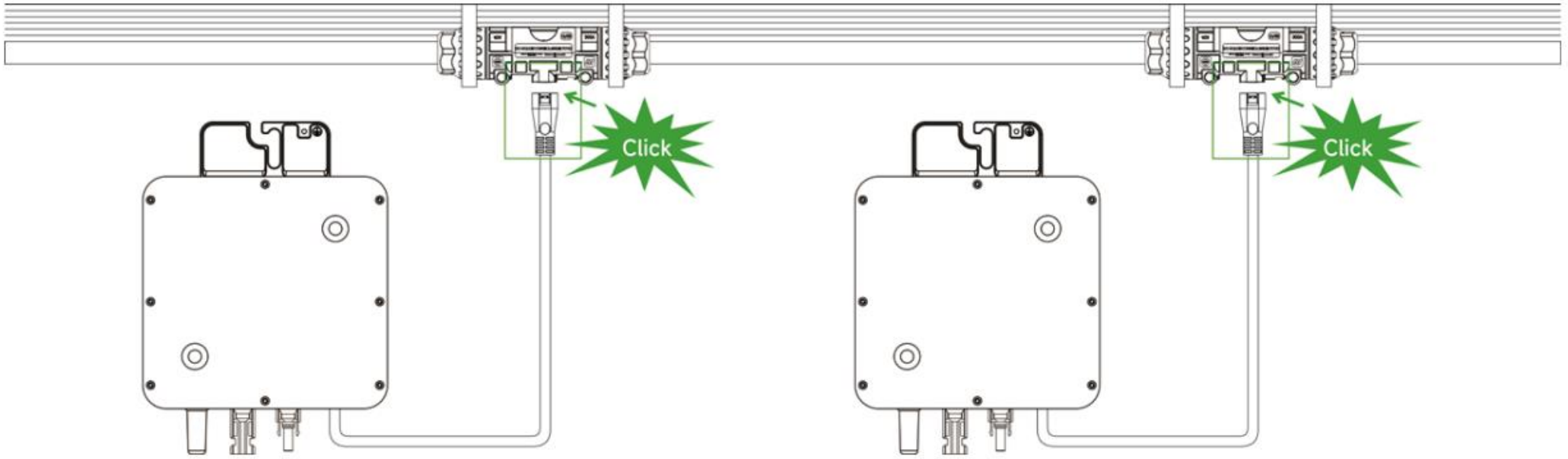
Step 2: Fix the Microinverter on the bracket with M8*25mm screw, then lock the screw.



Device Installation-Connect Microinverter with T-junction

Insert the output AC connector of the microinverter into the T-junction bus connector until hearing a ‘click’ sound.

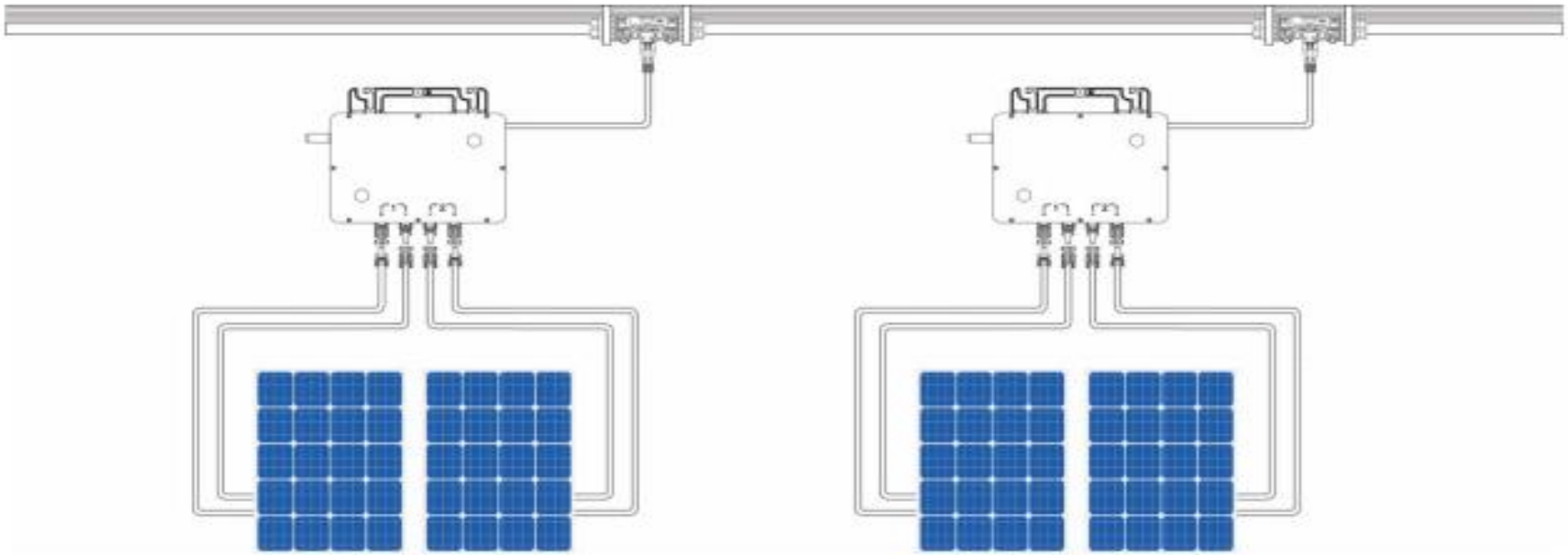
Ensure that the installation is tight.



Device Installation-Connect PV module

Step 1: Install the PV module above the microinverter.

Step 2: Connect the DC output cable of the PV module with the input side of the microinverter.



Key Point 1: Microinverter installation completion indicator: Green indicator light on the microinverter flashes slowly (1 second).

Contents

APP Configuration- Registration

Registration	**1. Download HYXipower APP** **2. Register the account of the person in charge of the organization**
Near-end Commissioning	**1.Connect the phone to microinverters** **2.Connect microinverters to Internet**
Create a Plant	**Create a plant for users**
Check Signal Strength	**Check signal strength between microinverters and router**

APP Configuration- Registration

The entire process requires 2 email accounts: **Organization and Owner**.

Step 1: Download the APP and **register**

Method 1

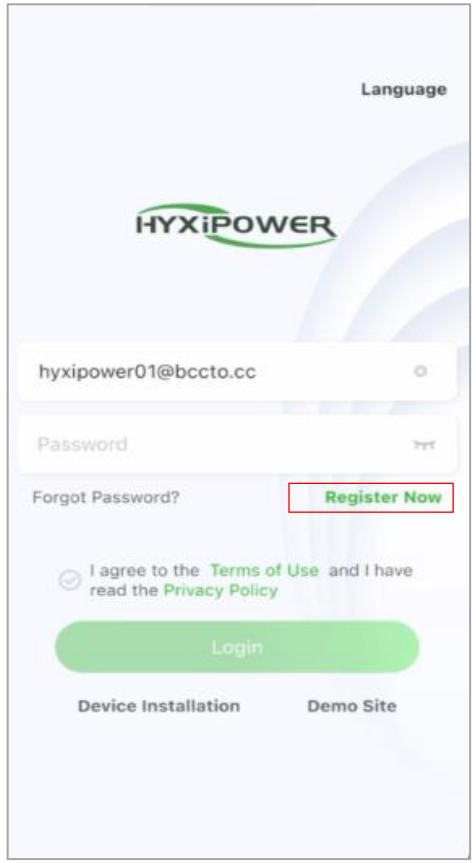
Search “Hyxipower " in the Application Store

· APP store (IOS)

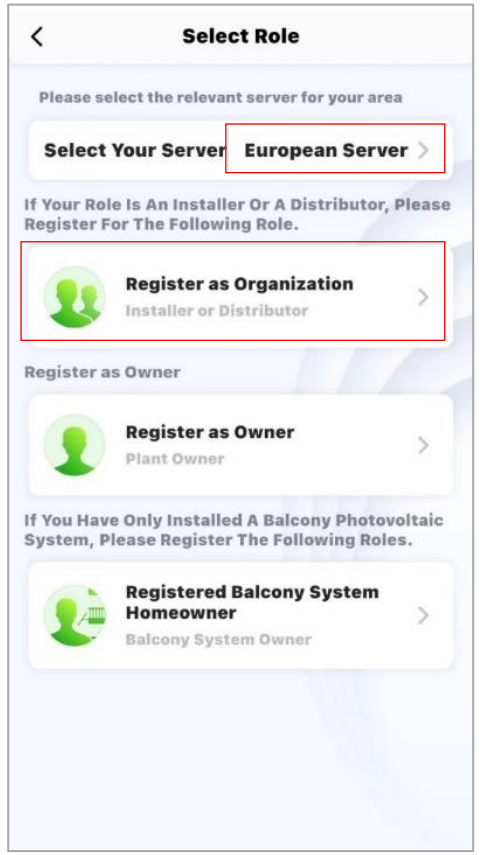
· Google play

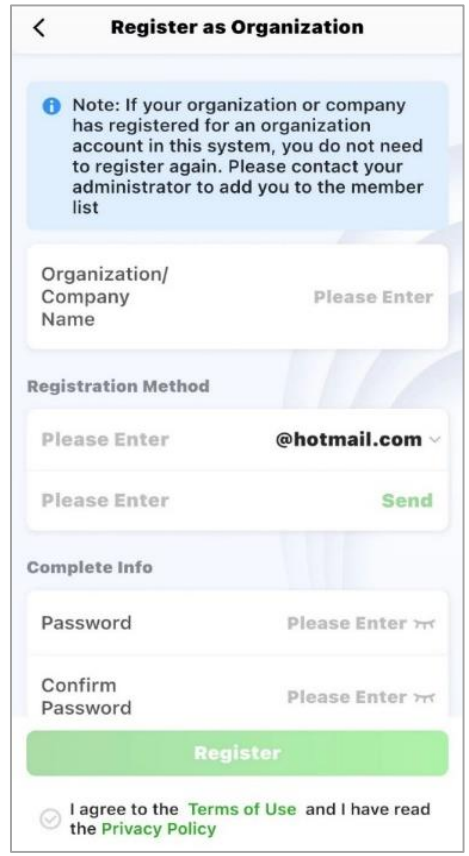
Method 2

Scan the QR code download the APP



Step 2 : According to the country or region, select **server**, select **organization** , fill in the relevant information and **register.**



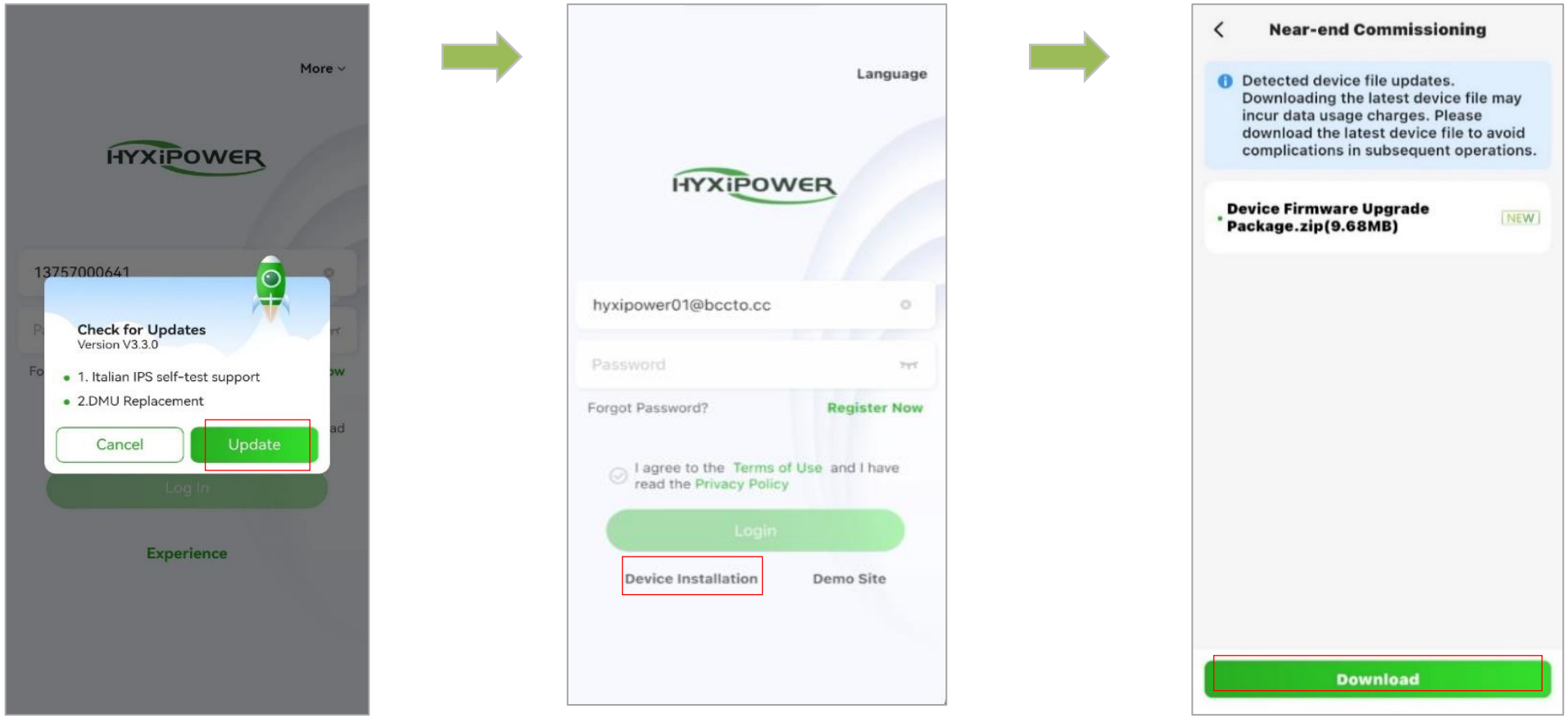


APP Configuration- Near-end Commissioning

Registration	**1. Download HYXipower APP** **2. Register the account of the person in charge of the organization**
Near-end Commissioning	**1.Connect the phone to microinverters** **2.Connect microinverters to Internet**
Create a Plant	**Create a plant for users**
Check Signal Strength	**Check signal strength between microinverters and router**

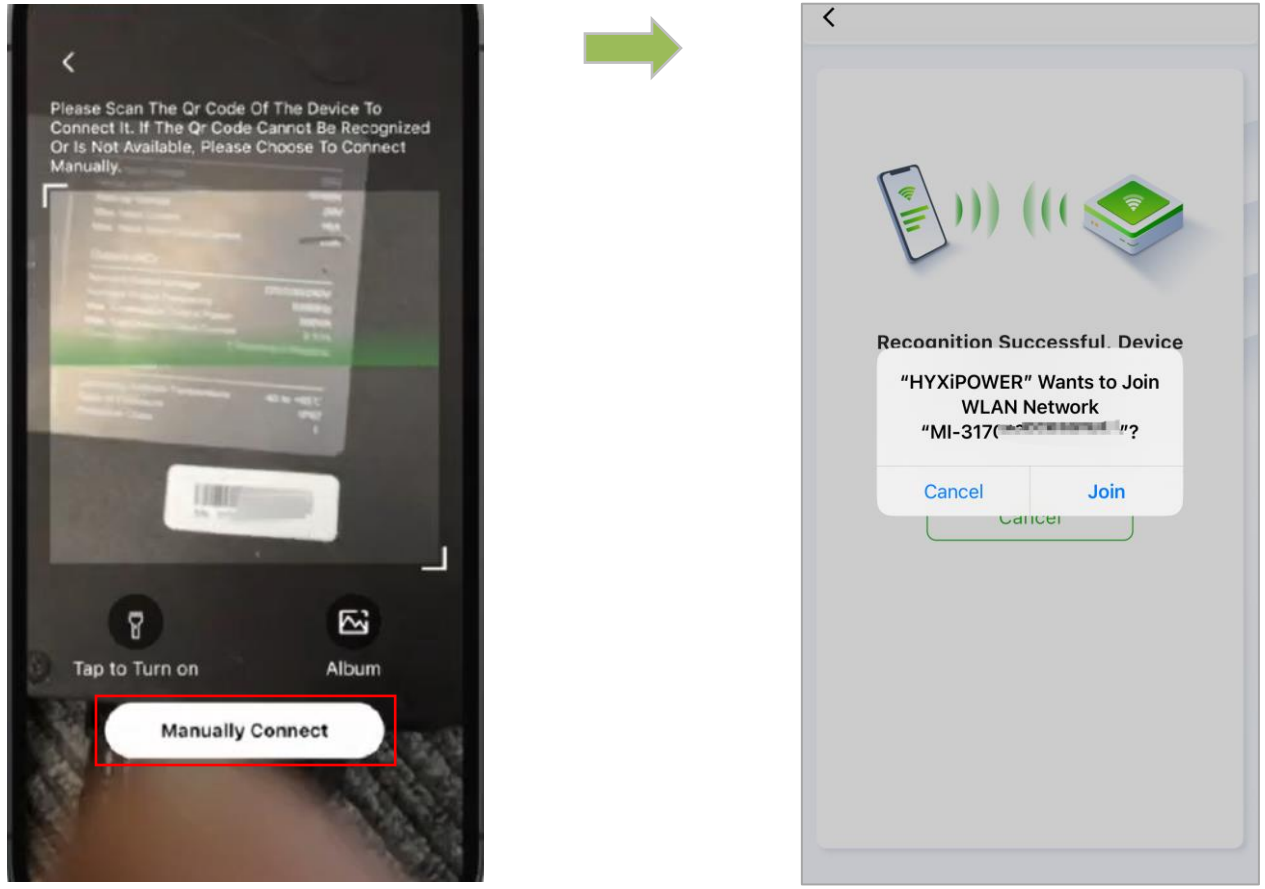
APP Configuration- Connect Phone to Microinverters

Step 1： If a version update is prompted, please update first before proceeding with debugging. Select “Device installation” and “Download.” If the latest firmware package is already available on the phone, the download step will be skipped automatically.



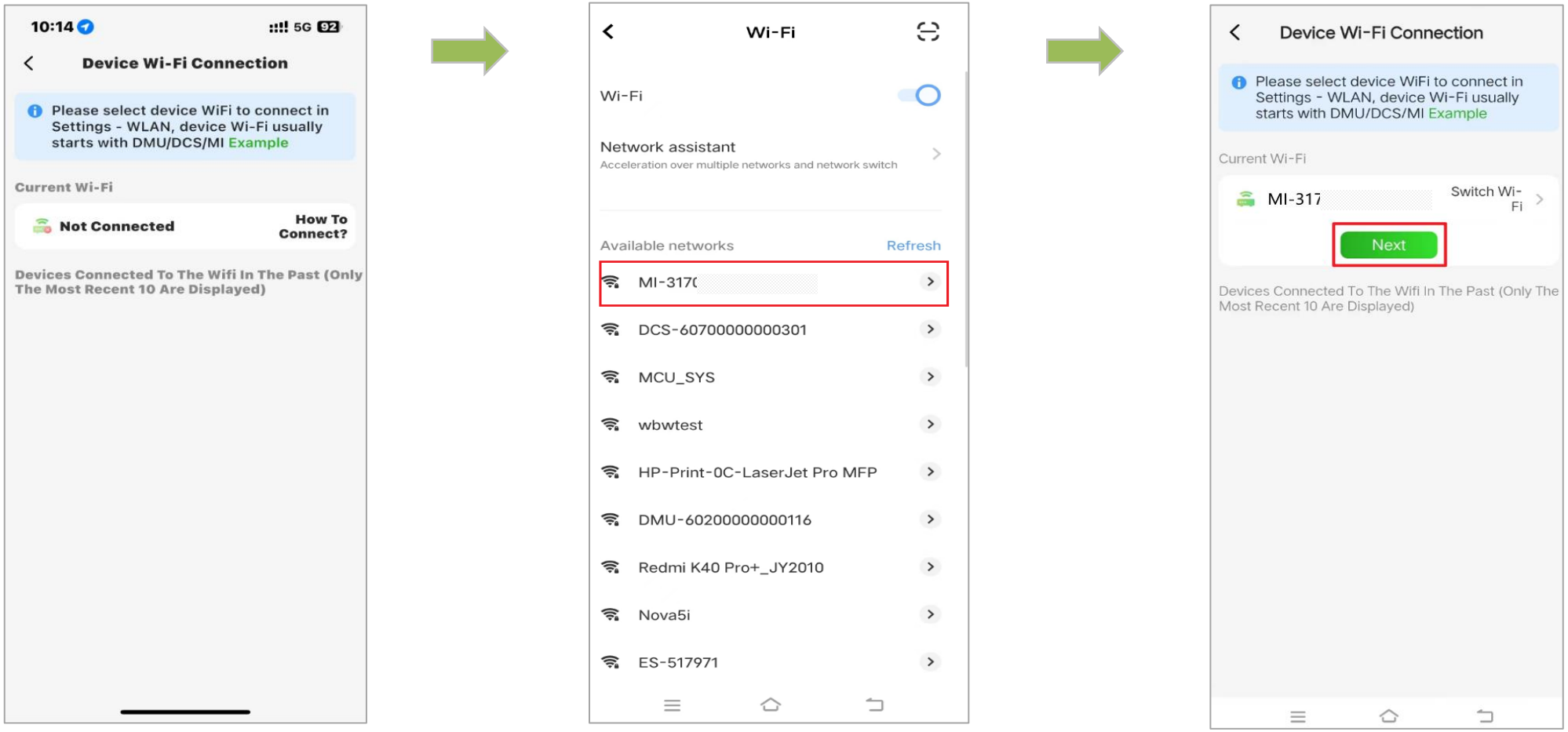
APP Configuration- Connect Phone to Microinverters

Step 2: Scan the barcode of the microinverters, join WLAN network MI-XXXXXXXXXXXX. （If the barcode cannot be recognized,You can also choose to **connect manually.**）

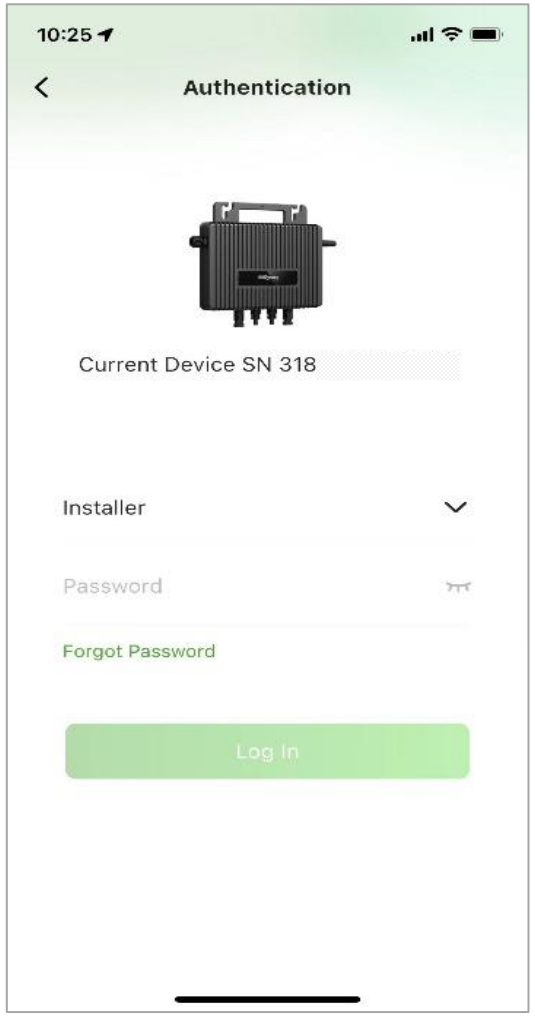


APP Configuration- Connect Phone to Microinverters

Manually connection: Find the WIFI in settings of phone and connect: MI-XXXXXXXXXXX; Password is hyxi0607, after connected, return to the "Hyxipower" APP and select Next.



APP Configuration- Connect Phone to Microinverters

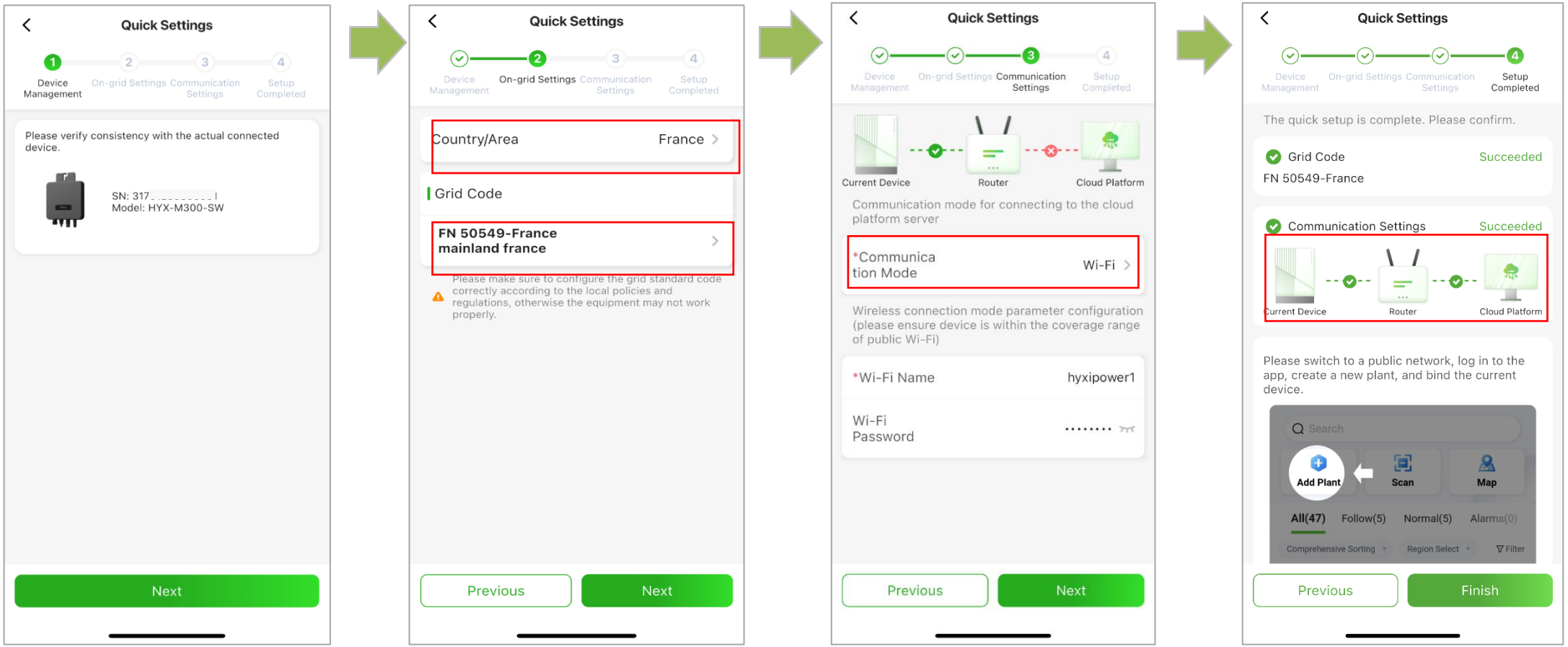


Step 3: Select Installer, enter the device default password: hyxi0607, and then log in.

If incorrect, click Forgot Password and send the verification email to Hyxipower support email (support@hyxipower.com) to help reset the password.

APP Configuration- Connect Microinverters to Internet

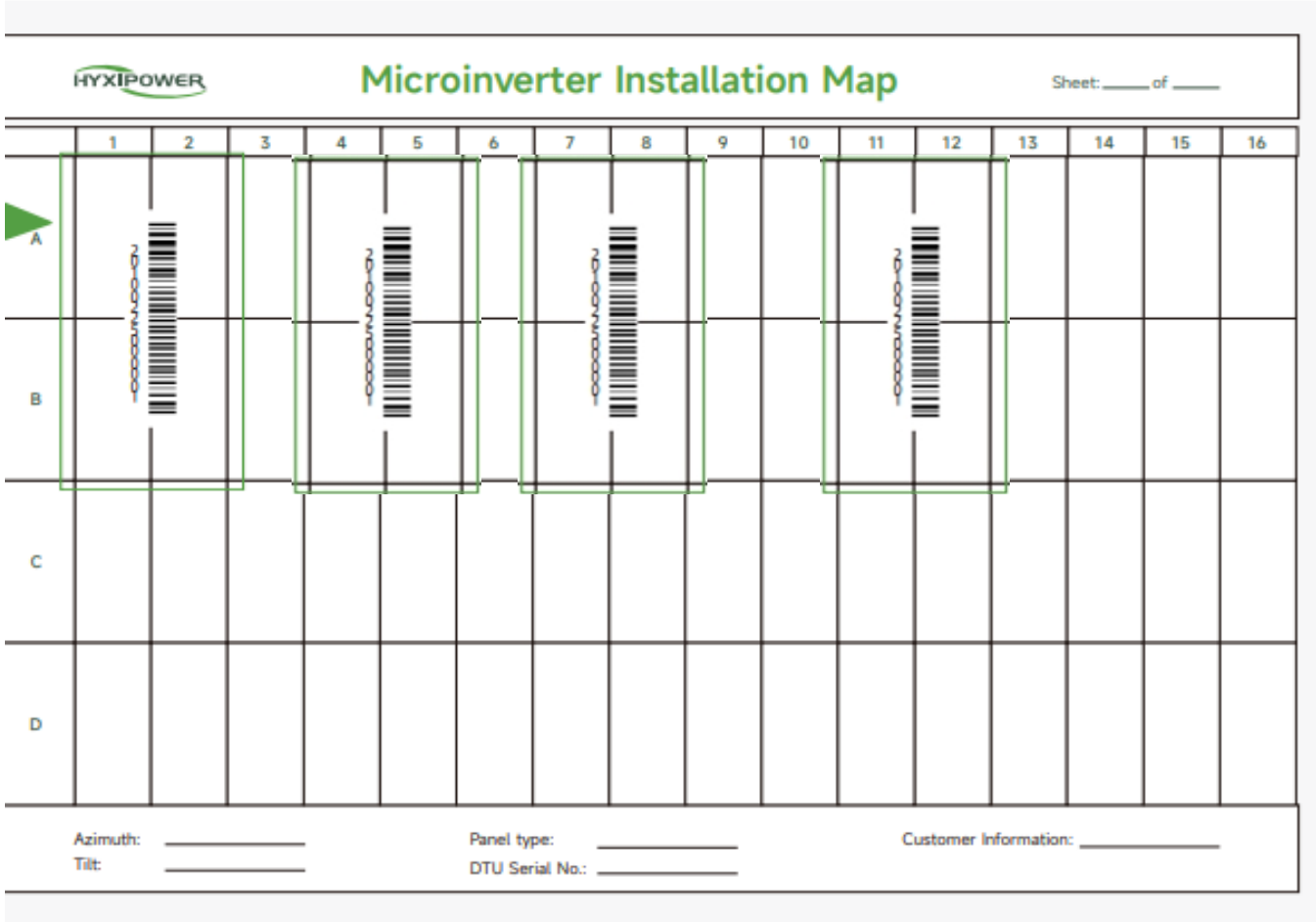
Step 4: Quick settings: Select the Country/Area and the corresponding Grid Code, and then select the communication mode and the router WIFI information.



Key Point 2: The end signal for microinverter networking is when the local app shows a successful connection to both the router and the cloud platform.

APP Configuration- Connect Microinverters to Internet

Step5: Network configuration for the microinverters in the power plant one by one.

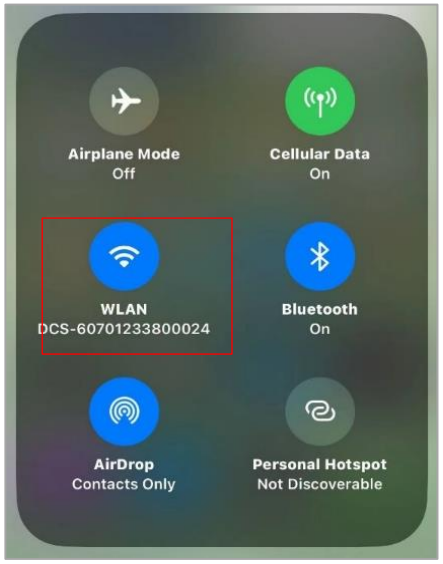


APP Configuration- Create a Plant

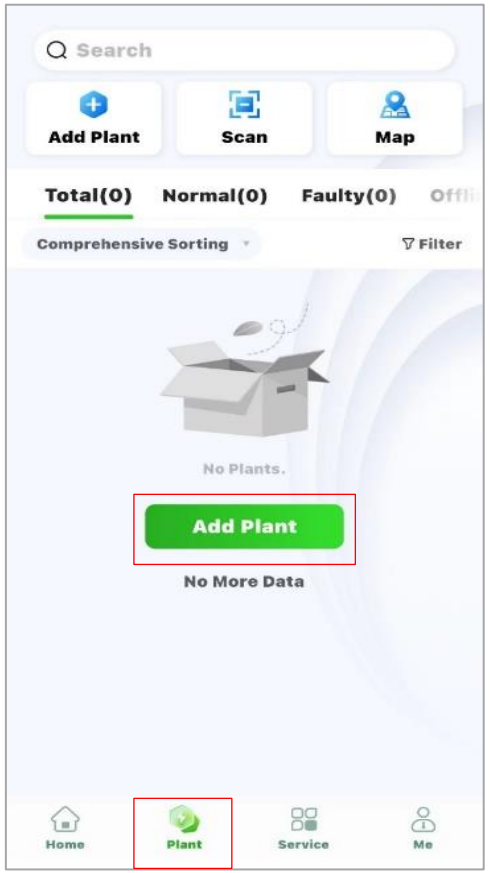
Registration	**1. Download HYXipower APP** **2. Register the account of the person in charge of the organization**
Near-end Commissioning	**1.Connect the phone to Microinverters** **2.Connect Microinverters to Internet**
Create a Plant	**Create a plant for users**
Check Signal Strength	**Check signal strength between microinverters and router**

APP configuration- Create a Plant

Step 1: Disconnect the phone from the DMU's WiFi. Make sure your phone has Internet access



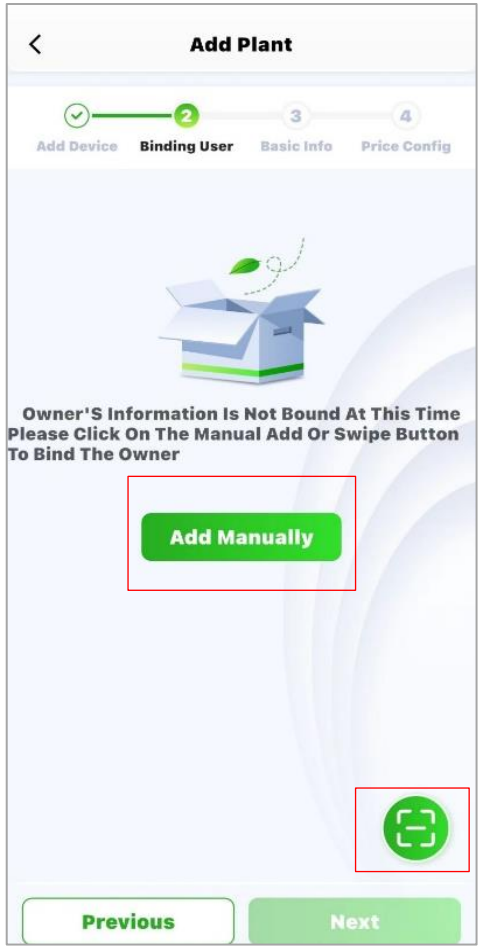
Step 2: Log in to the **organization account**, click "Add Plant"

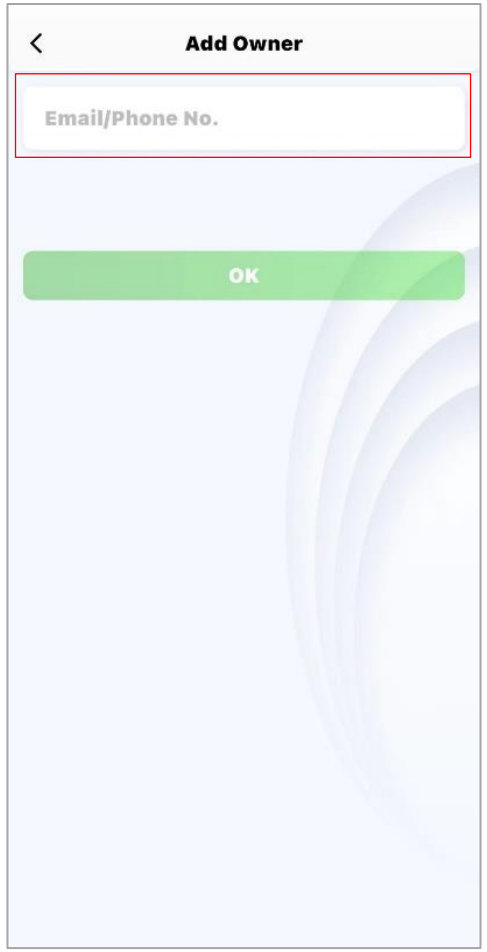


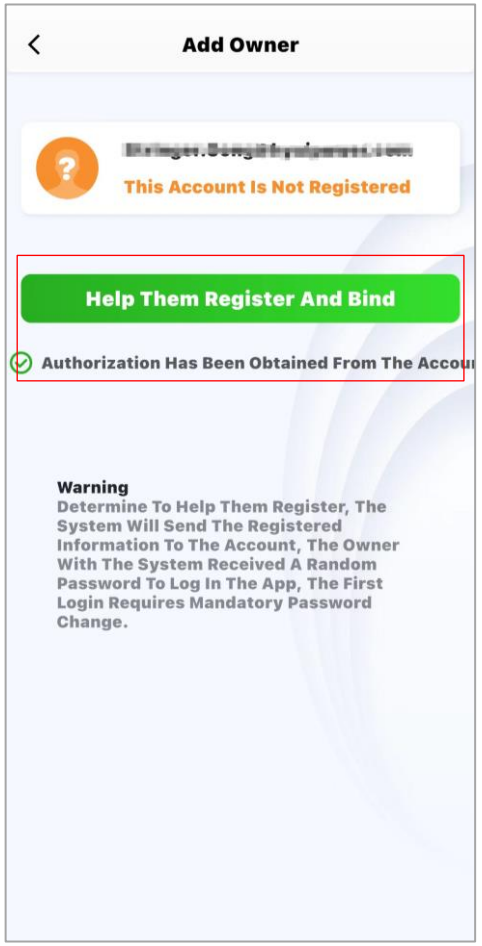
Step 3: Scan the QR code of the DCS or add it through Recently Debugging Device

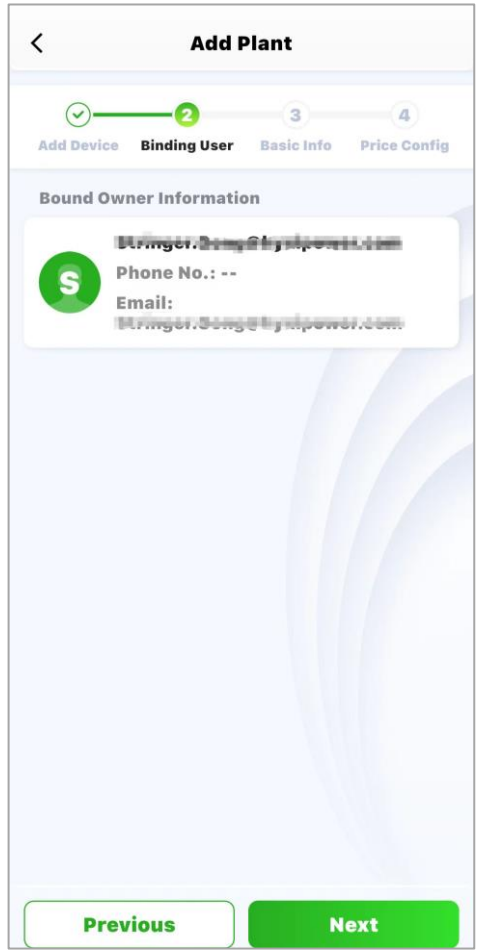
APP configuration- Create a Plant

Step 4: Add owner - manually add or scan the owner's QR code to bind. Manually add - enter the email address or mobile phone number of the Plant owner. If the owner is not registered, click to help him register and bind. The system will generate a random password and send a text message or email to the registered account



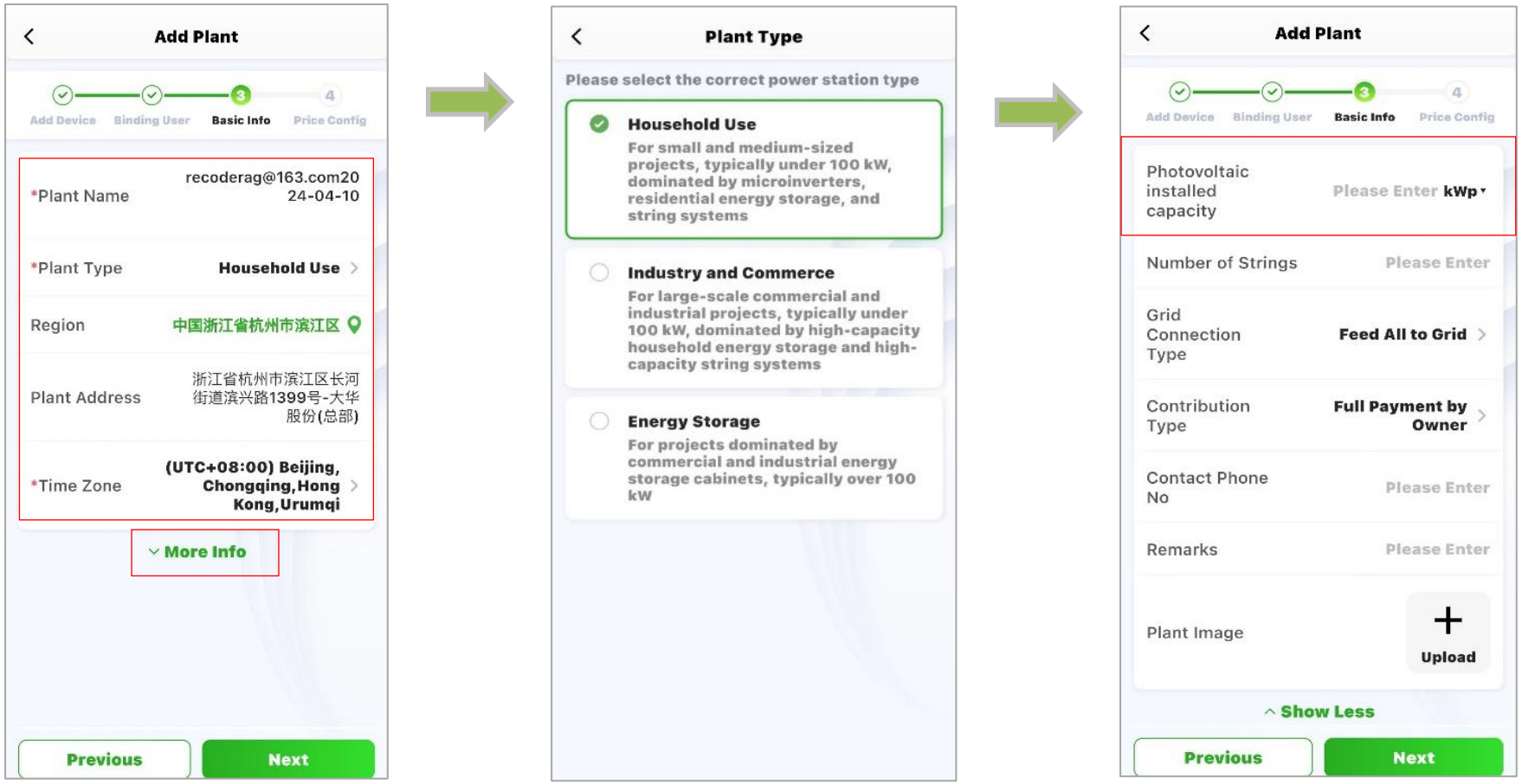






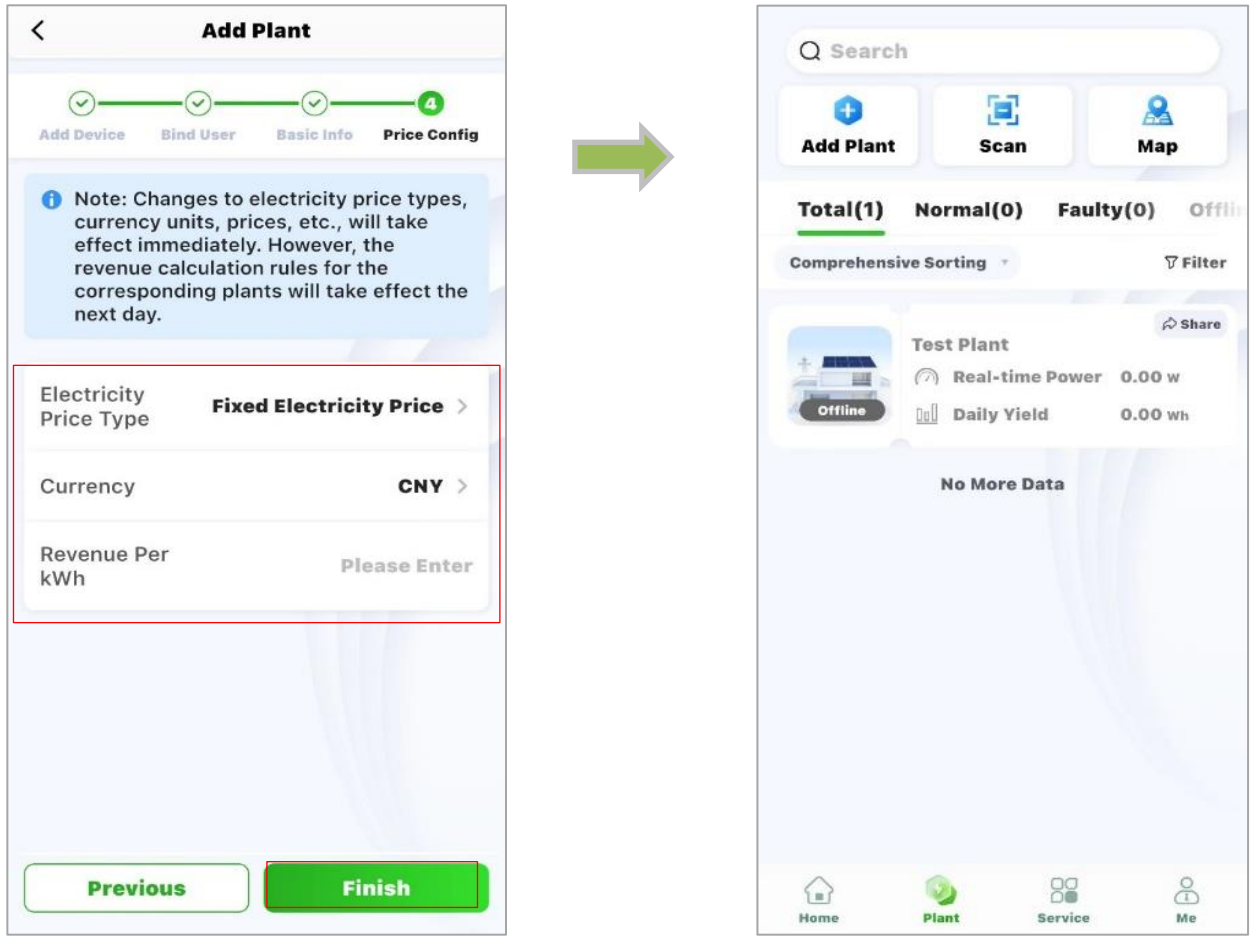
APP configuration- Create a Plant

Step 5: Fill in basic information including Plant name, Plant type**(Household Use**), Region, Time Zone, and More information including Photovoltaic Installed Capacity, etc.



APP configuration- Create a Plant

Step 6: Fill in Electricity Price Type, Currency and Revenue per KWh, select Finish, and the Plant is successfully created.



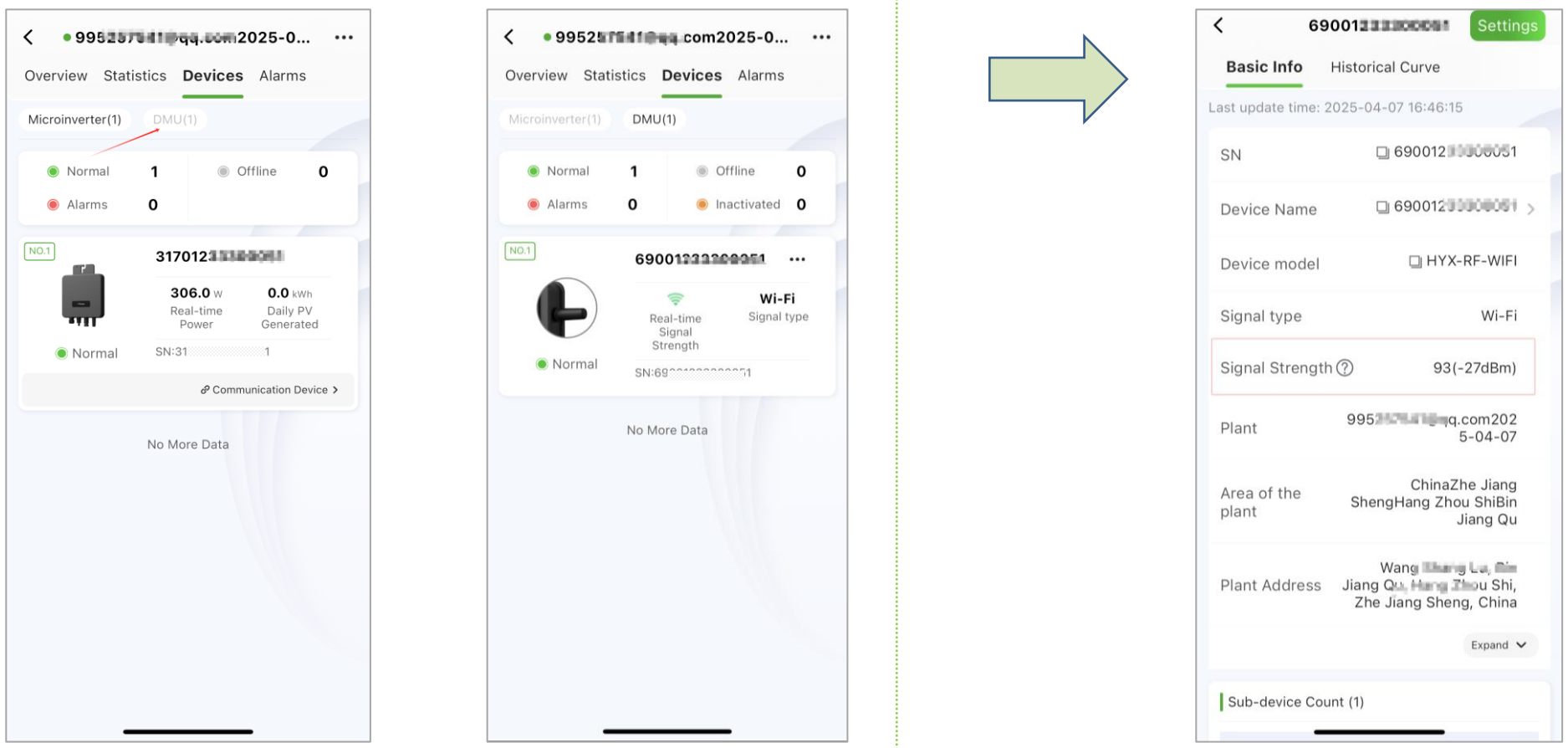
APP Configuration- Check Signal Strength

Registration	1. Download HYXipower APP 2. Register the account of the person in charge of the organization
Near-end Commissioning	1.Connect the phone to Microinverters 2.Connect Microinverters to Internet
Create a Plant	Create a plant for users
Check Signal Strength	Check signal strength between microinverters and router

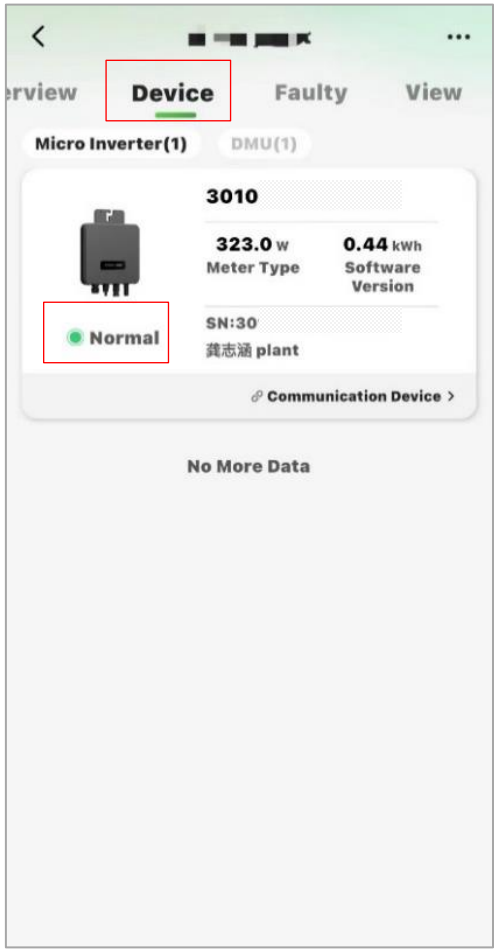
APP Configuration – Check Signal Strength

Step 1: In the power plant interface, find the “Devices" – “DMU”- "Signal Strength" between the microinverter and the router.

Step 2: Adjust the position of the microinverter or the router to ensure that all devices have a signal strength above 60. Otherwise, it may lead to issues such as unstable data transmission or devices going offline.



APP Configuration -Installation Acceptance



Step 1: Select Plant - User's Plant - Device, and ensure that the online state of device is normal.

Step 2: After installation is completed, continuously monitor for more than half an hour, select Statistics - Energy Analysis , view the realtime power statistics curve, and ensure that the plant has started generating electricity normally.

Key Point 5: Normal operation indicator: AC and DC power of equipment in the power plant is normal, with no alarms.

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THANKS