



600W Ultralight Balcony Solar System

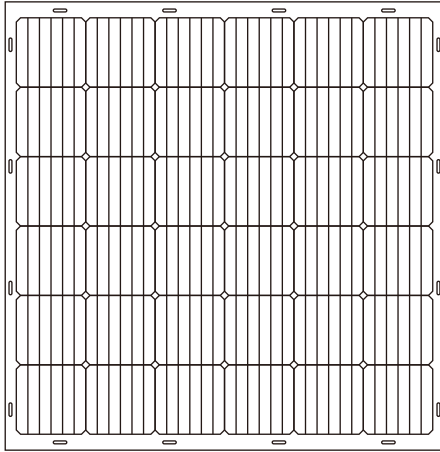
User Manual

Installation Guide

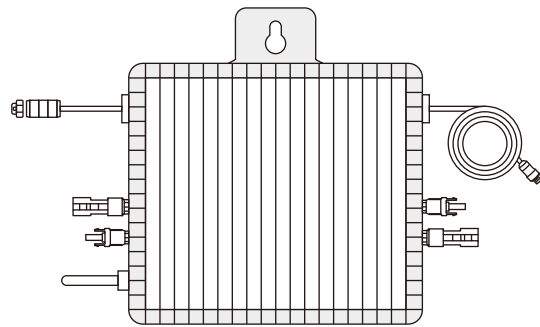
You choose the size of your Plug & Play Smart Solar System and PV panel type, We'll do the rest to provide you with everything you need. Installs in minutes.

1 Components

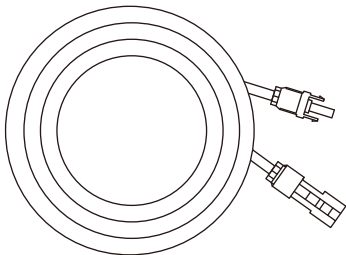
List



Panels



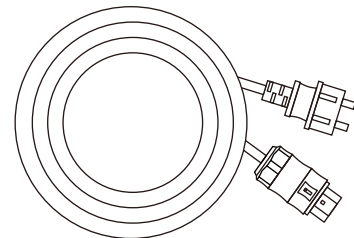
Deye Inverter



MC4 Cable



Verclo Straps



AC end Cable

2 Installation Notes

2.1. Note for dimensions

All the dimensions should be subject to the construction drawing. This guide book is for descriptive purpose of installation only.

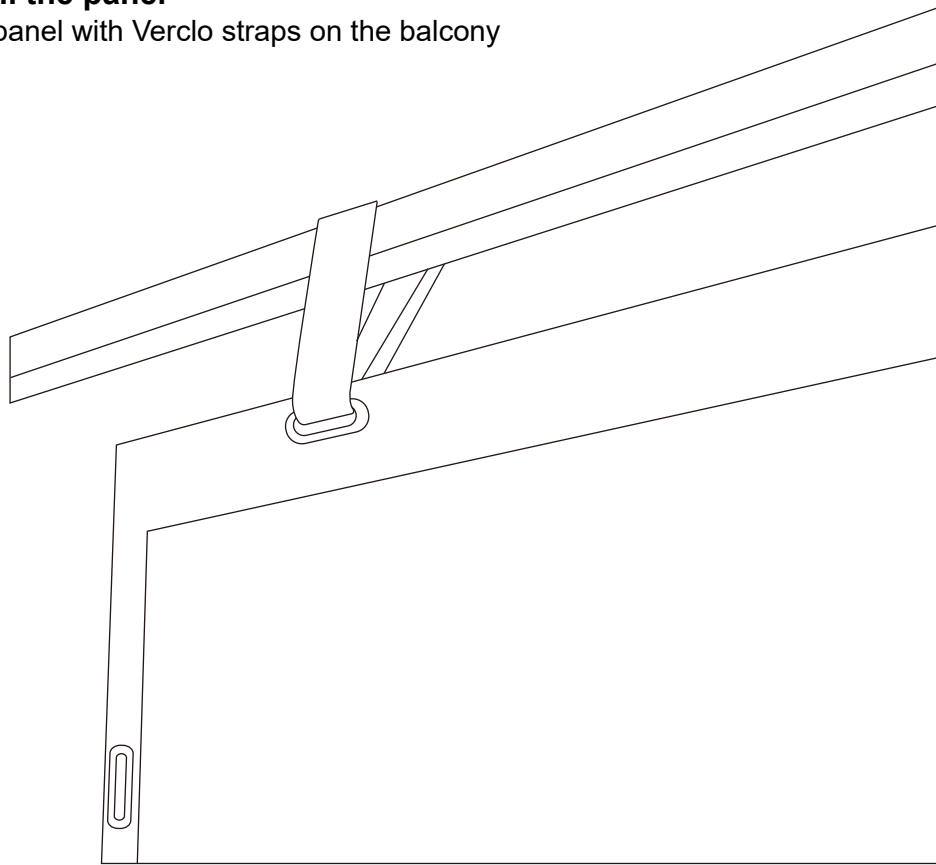
2.2. Notes for the bending Angle

Do not step on it when installing, and the bending Angle should not exceed 15°.

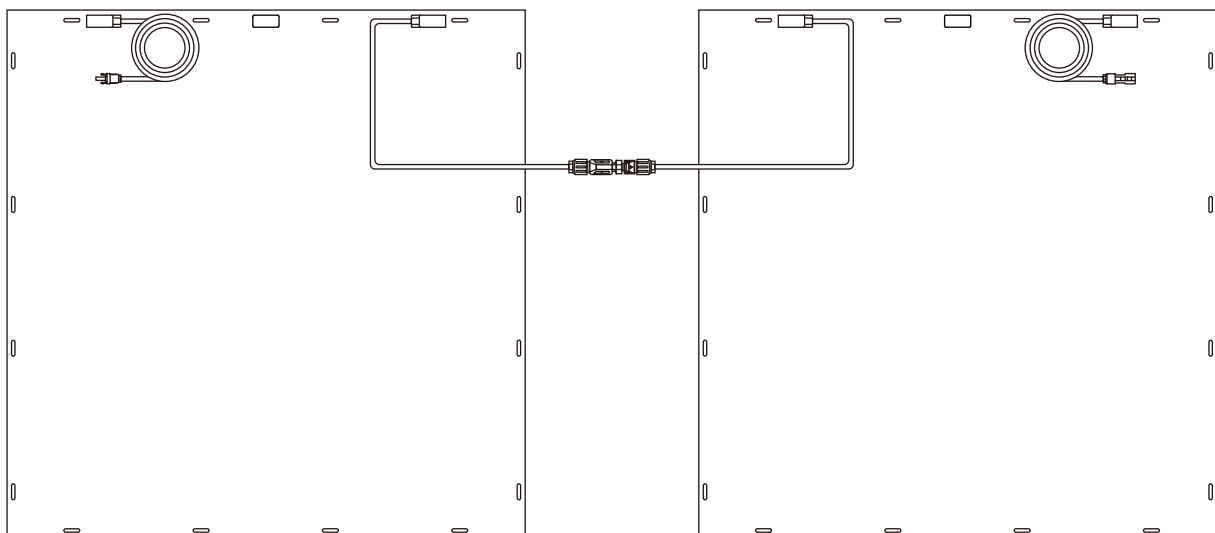
3 Installation Manual

3.1 Install the panel

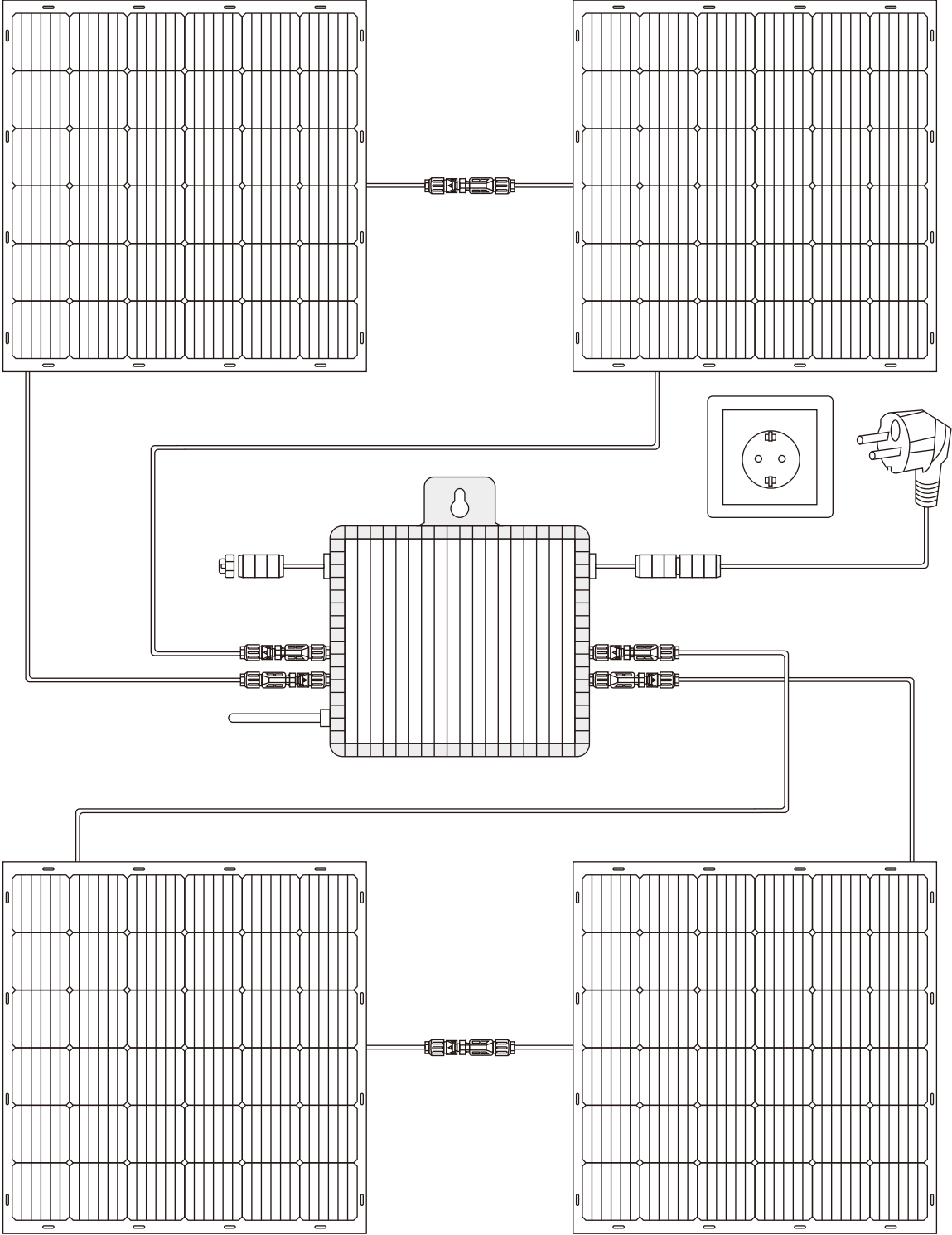
1. Fix the panel with Verclo straps on the balcony



2. Each two panels are connected in series



System Components Connection Guide



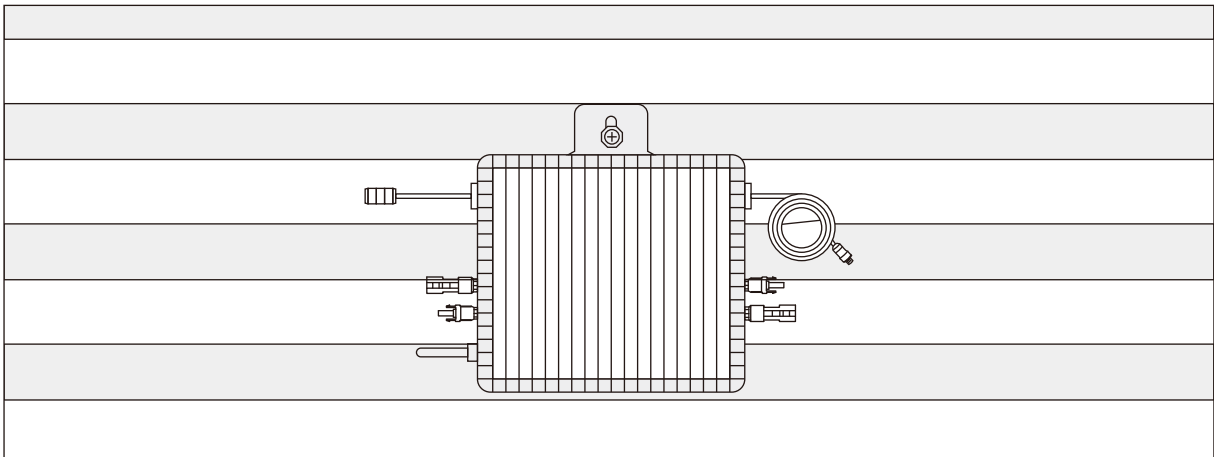
Note: Before connection, please follow the mounting bracket manual to assemble the mounting bracket and attach on solar panel.

Step1

Take the solar panel out of the package and install the solar panel according to the installation guide. During the installation process, please handle it with care to avoid bumping the solar panel. If the solar panel needs to be placed facing the ground temporarily, please take protective measures.

Step2

Take out the micro-inverter from box, Hold it in a suitable place.

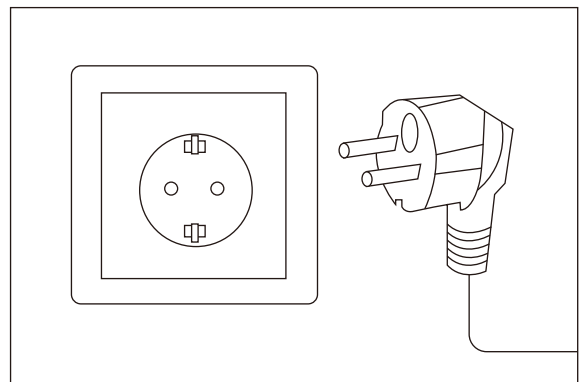
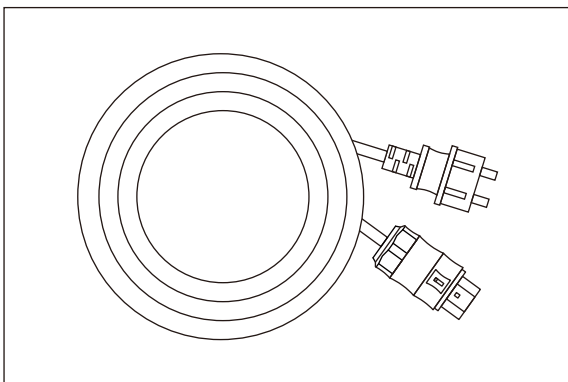


Inverter also can be installed on other firm and light-proof location as needed.

The inverter needs to be installed as close to the solar panel junction box as possible, otherwise you may need additional extension cables.

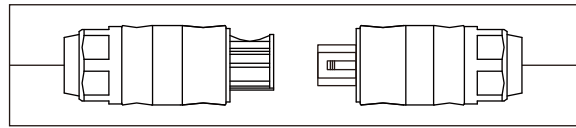
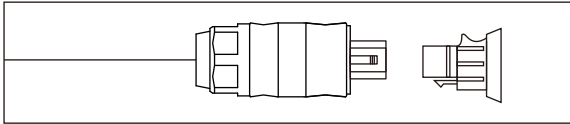
Step3

Insert the Schuko plug on the 5m AC cable into a **separate fixed** socket.



Step4

Using an extension cord with Schuko plug, connect the other end to the positive side of the output port of the micro inverter;



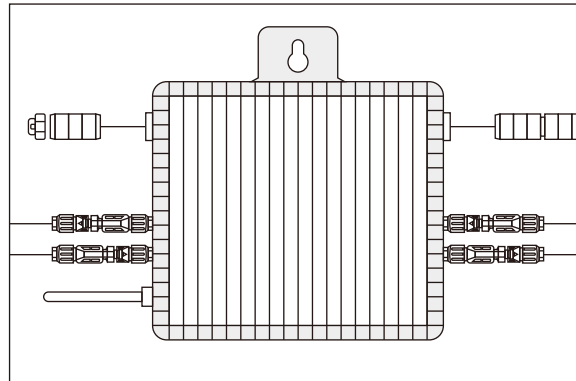
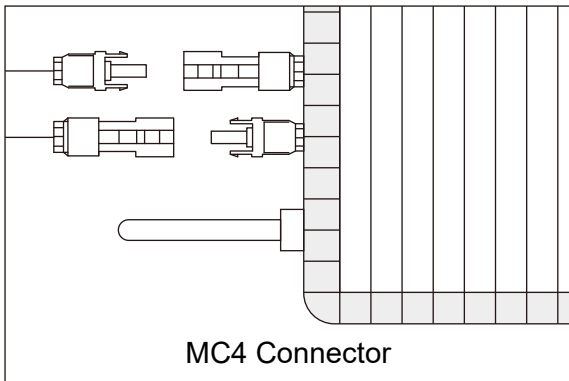
The end cap could be connected to the female plug on inverter.

Step5

Before inserting the last connection, please check the previous connection part again, please make sure the connection is correct and the connection is firm.

Step6

Insert the MC4 plug on the solar panel into the MC4 plug on the micro inverter, Note that plugs from the same solar panel can only be plugged into an adjacent set of MC4 plugs on the micro inverter to complete the connection.



Note: DO NOT disconnect the PV module from the Micro inverter without disconnecting the AC power.

Step7

This series microinverter needs to connect MECD for remotely monitoring.

There's a built-in WIFI module for the MECD. For WIFI configuration, please check the manual of "WIFI Setup Guide"

Web monitoring address:

<https://pro.solarmanpv.com> (for Solarman distributor account)

<https://home.solarmanpv.com> (for Solarman end user account)

For mobile phone monitoring system, scan the QR code to download the APP.

Also you can find it by searching "solarman business" in App store or Google Play store, and this App is for distributor/installer.

Find it by searching "solarman smart" in App store or Google Play store and choose "solarman smart", this app is for plant owner.



Solarman Smart



Solarman Business

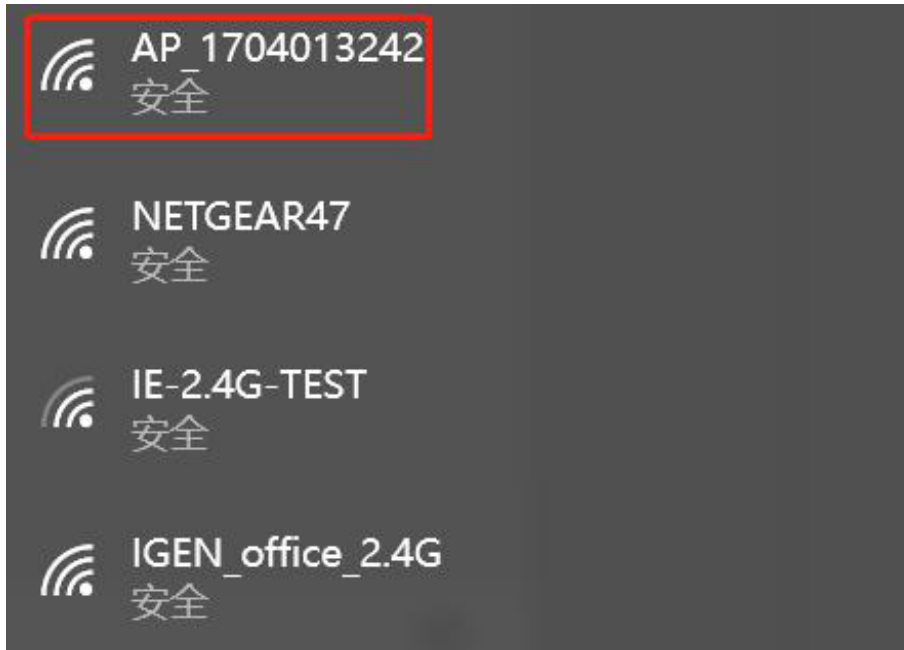
WIFI Setup Guide

Step1

Open a wireless network.

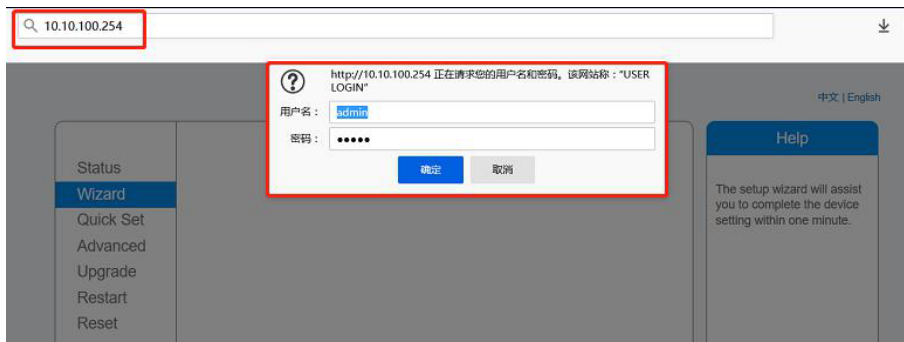
Step2

Select logger network (network name: AP+SN) and connect. The password can be found on the logger label, which are the characters behind PWD.



Step3

Open a browser and enter 10.10.100.254. Both username and password are admin. (Recommended browser: IE 8+, Chrome 15+, Firefox 10+.)



Step4

Go to logger setup page. The basic information are listed here.

The screenshot shows the 'Status' page of a router. On the left is a navigation menu with 'Status' selected. The main content area is divided into three sections: 'Inverter information', 'Device information', and 'Remote server information'. The 'Inverter information' section includes fields for Inverter serial number, Firmware version (main), Firmware version (slave), Inverter model, Rated power, Current power, Yield today, Total yield, Alerts, and Last updated. The 'Device information' section includes Device serial number, Firmware version, Wireless AP mode (Enabled), SSID, IP address, MAC address, Wireless STA mode (Disabled), Router SSID, Signal Quality, IP address, and MAC address. The 'Remote server information' section shows Remote server A and B, both marked as 'Not connected'. A 'Help' sidebar on the right explains the device's AP and STA modes and provides instructions for the 'Status of remote server'.

- Inverter information	
Inverter serial number	---
Firmware version (main)	---
Firmware version (slave)	---
Inverter model	---
Rated power	--- W
Current power	--- W
Yield today	--- kWh
Total yield	--- kWh
Alerts	---
Last updated	---

- Device information	
Device serial number	1704013242
Firmware version	LSW3_14_FFFF_1.0.23
Wireless AP mode	Enable
SSID	AP_1704013242
IP address	10.10.100.254
MAC address	9C:D8:63:71:8D:B0
Wireless STA mode	Disable
Router SSID	---
Signal Quality	---
IP address	---
MAC address	---

- Remote server information	
Remote server A	Not connected
Remote server B	Not connected

Step5

Go to setup guide, click Refresh to search the wireless network. Select the target network and connect.

The screenshot shows the 'Wizard' page for selecting a wireless network. The 'Wizard' option is selected in the left navigation menu. The main content area is titled 'Please select your current wireless network:' and displays a list of detected networks. The first network, 'IE-2.4G-TEST', is highlighted with a red box. Below the list is a 'Refresh' button. A note states: '*Note: When RSSI of the selected WiFi network is lower than 15%, the connection may be unstable, please select other available network or shorten the distance between the device and router.' Below this is a section for 'Add wireless network manually:' with input fields for Network name (SSID), Encryption method, and Encryption algorithm. The 'Next' button is highlighted with a red box. At the bottom, a progress indicator shows four steps, with the first step completed.

Network Name	BSSID	Signal Strength	Channel	Mode
<input checked="" type="radio"/> IE-2.4G-TEST	54:A7:3:70:99:13	82	1	
<input type="radio"/> AP_1753738492	0:BE:D5:20:B8:2C	80	1	
<input type="radio"/> IGEN_office_2.4G	30:EA:E7:36:B:36	78	2	
<input type="radio"/> IGEN_office_2.4G	0:BE:D5:20:B8:2A	76	1	
<input type="radio"/> IGENTEST	E8:65:D4:F2:15:B8	74	6	
<input type="radio"/> IGEN_office_2.4G	90:5D:7C:97:95:29	74	1	
<input type="radio"/> IGEN_office_2.4G	90:5D:7C:97:95:27	72	1	
<input type="radio"/> IGEN_office_2.4G	90:5D:7C:97:C9:E5	72	1	
<input type="radio"/> AP_1719065936	30:EA:E7:36:CF:B2	70	1	
<input type="radio"/> IGEN_office_2.4G	90:5D:7C:97:C9:E3	70	1	
<input type="radio"/> TEST+ " ? = , ;	4A:E:EC:9E:C3:3E	70	11	
<input type="radio"/> IGEN_office_2.4G	0:BE:D5:20:B7:EE	66	11	

Step6

Enter the password and click Next.

中文 | English

Status
Wizard
Quick Set
Advanced
Upgrade
Restart
Reset

Please fill in the following information:

Password (8-64 bytes)
(Note: case sensitive)

Obtain an IP address automatically: Enable

IP address

Subnet mask

Gateway address

DNS server address

Back Next

1 2 3 4

Web Ver:1.0.24

Help

Most systems support the function of DHCP to obtain IP address automatically. Please select disable and add it manually if your router does not support such function.

Step7

Users can select any options below to enhance the security and click Next.

中文 | English

Status
Wizard
Quick Set
Advanced
Upgrade
Restart
Reset

Enhance Security

You can enhance your system security by choosing the following methods

Hide AP

Change the encryption mode for AP

Change the user name and password for Web server

Back Next

1 2 3 4

Web Ver:1.0.24

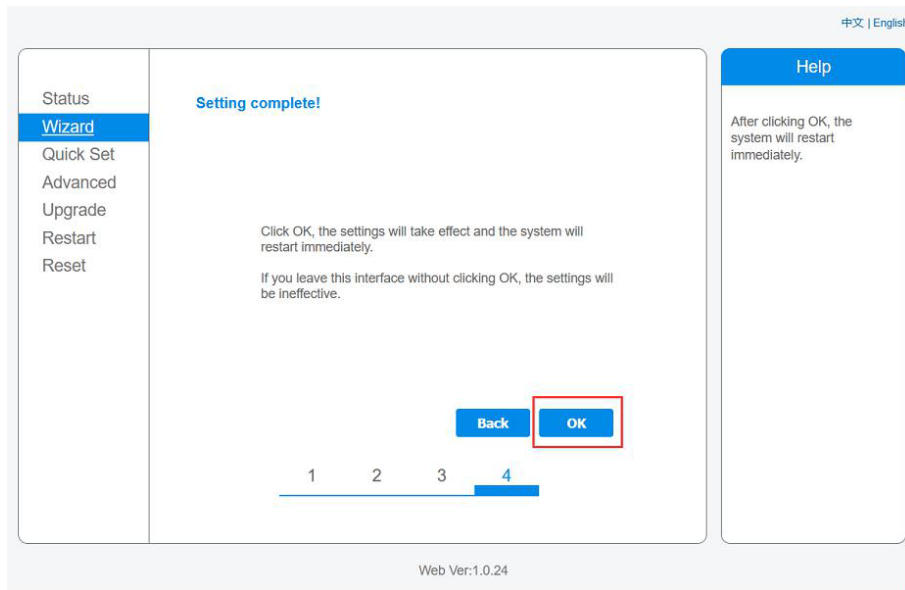
Help

Change the encryption mode for AP
If you set password for the AP network, you will need to enter the password to connect to AP.

Change the user name and password for Web server
If you change the username and password for the web server, you will need to enter the new username and password to get access to the setting page.

Step8

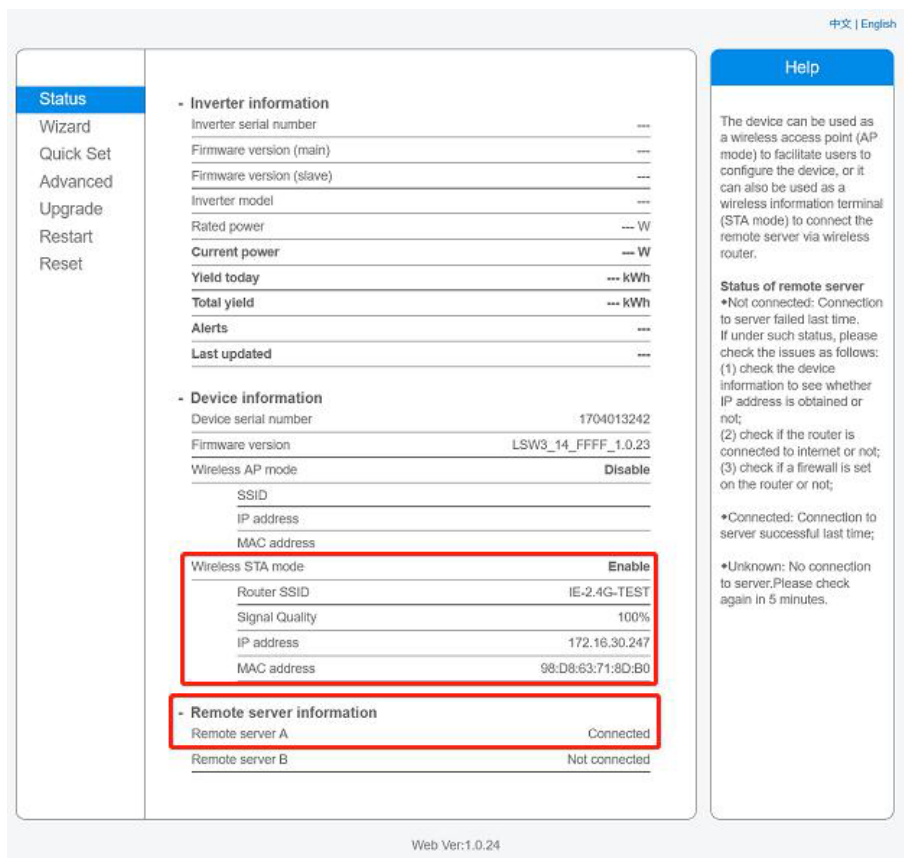
If the setup is successful, the following page will pop up and click OK to reboot the module.



Step9

Log in to 10.10.100.254 again and check system info here.

After the network setting is done, wireless network STA mode is Enable. The info of router will be displayed on the page and the remote server A is connectable.



Step10

If the remote server is disconnectable, please refresh the page or try it again.

