

# Embedded WiFi Module

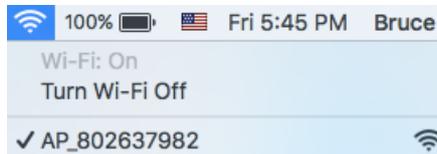
## *Quick Guide*



**S-W300**

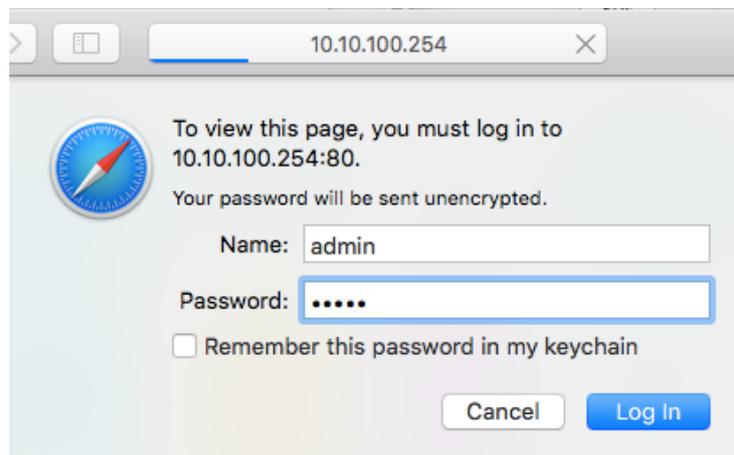
## SolarMAN Wi-Fi Module Up

Step 1 Connect your laptop / smart phone to our SOFAR Wi-Fi module. (AP\_xxxxxxxx);



Step 2 Go to 10.10.100.254 using the web browser and login

(default username / password: admin / admin);



## Step 3

(b) In the Status interface of WiFi module, you can view general information of the module.

Next, please follow the **Wizard** to start quick setup.

中文 | English

Status	
Wizard	
Wireless	
Advanced	
Upgrade	
Restart	
Reset	

**- Inverter information**

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

**+ Device information**

**+ Remote server information**

**Help**

The device can be used as a wireless access point (AP mode) to facilitate users to configure the device, or it can also be used as a wireless information terminal (STA mode) to connect the remote server via wireless router.

**Status of remote server**

◆Not connected:  
Connection to server failed last time.  
If under such status, please check the issues as follows:  
(1) check the device information to see whether IP address is obtained or not;  
(2) check if the router is

Web Ver:1.0.13

① Click on **Wizard**.

**Status**

**Wizard**

Wireless

Advanced

Upgrade

Restart

Reset

**Dear user:**

Thank you for choosing our device.  
Next, you can follow the setup wizard to complete the network setting step by step;  
or you can select the left menu for detailed setting.

★**Note:** Before setting, please make sure that your wireless network is working.

**Start**

1 2 3 4 5 6

Web Ver:1.0.13

② After enter setup **Wizard** interface, click **Start**.

**Status**

**Wizard**

Wireless

Advanced

Upgrade

Restart

Reset

**Please select your current wireless network:**

Site Survey

SSID	BSSID	RSSI	Channel
<input type="radio"/> Reco010000843	AC:CF:23:27:E2:51	66	1
<input checked="" type="radio"/> yingzhenlink	EC:6C:9F:4:B3:2C	90	1
<input type="radio"/> AP_123	AC:CF:23:3C:8C:BB	52	2
<input type="radio"/> yingzhenTP	C0:61:18:51:19:46	100	2
<input type="radio"/> Reco010001856	AC:CF:23:27:E3:5	72	2
<input type="radio"/> AP_607131524	AC:CF:23:13:C1:40	64	2
<input type="radio"/> ChinaNet-SFVe	C:4C:39:10:65:C9	54	6
<input type="radio"/> iTV-SFVe	5A:4C:39:10:65:CA	54	6
<input type="radio"/> belkin.e16@#\$\$%^&*()_+~!	EC:1A:59:A4:E:16	84	6
<input type="radio"/> AP_608903987	AC:CF:23:15:BC:7C	88	6

★**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.

**Refresh**

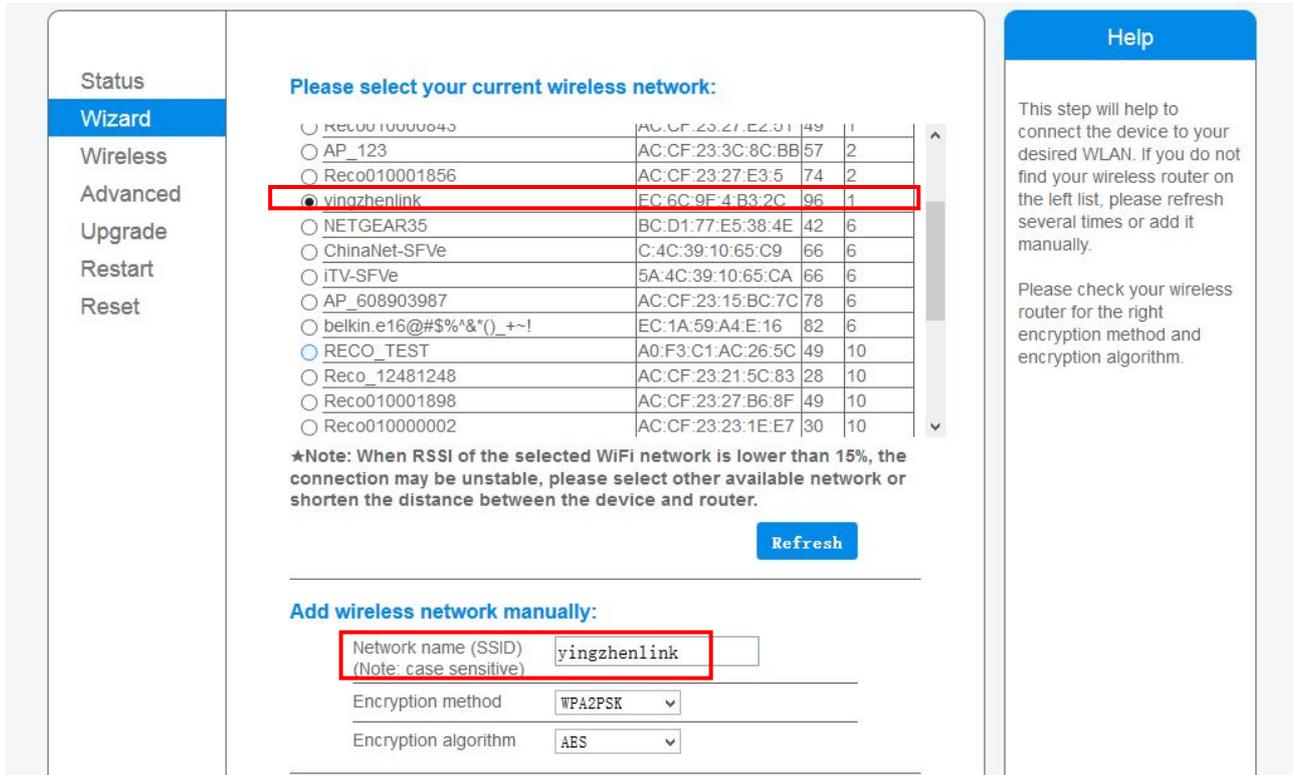
**Add wireless network manually:**

Network name (SSID)  
(Note: case sensitive)

Encryption method

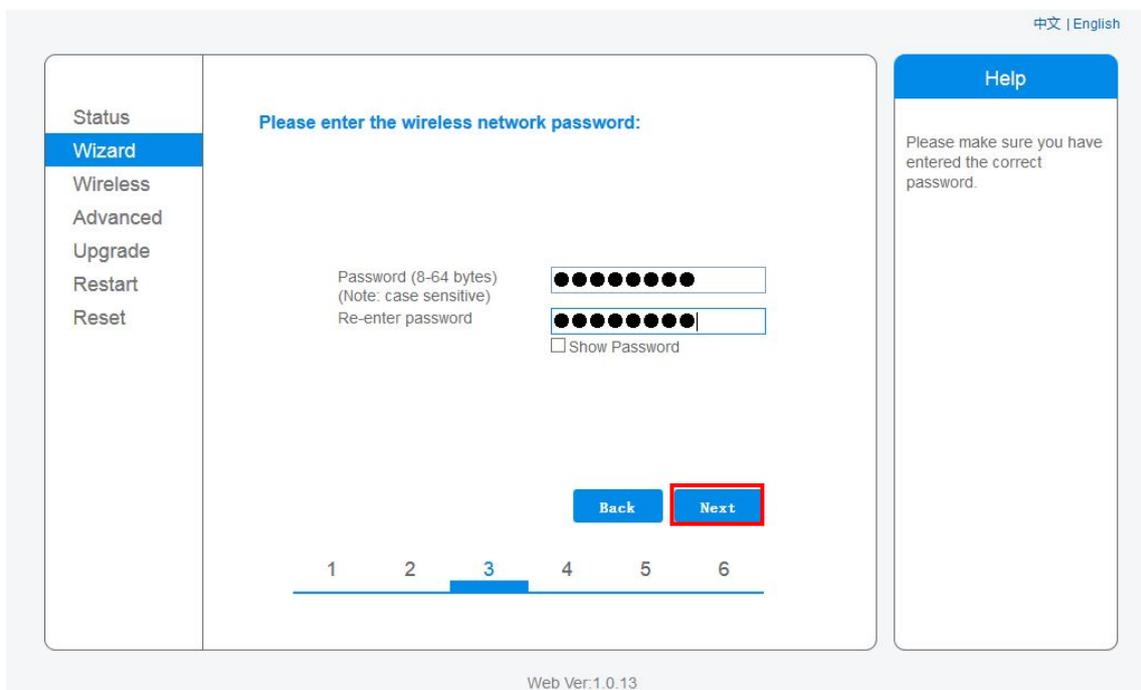
Encryption algorithm

③ Click **Refresh** to search the available wireless networks, you can also manually add a wireless network.



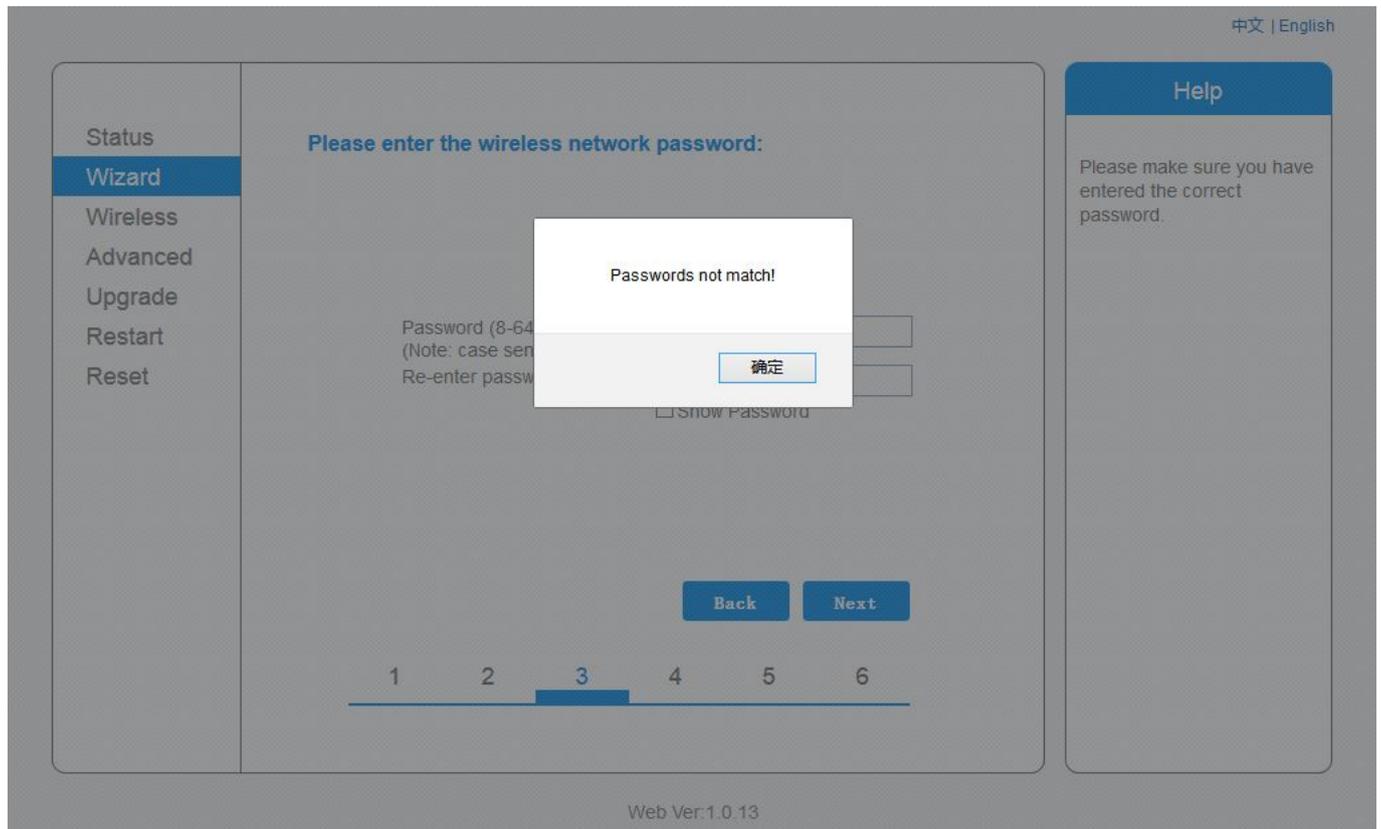
④ Choose the network you wish to connect, click **Next**.

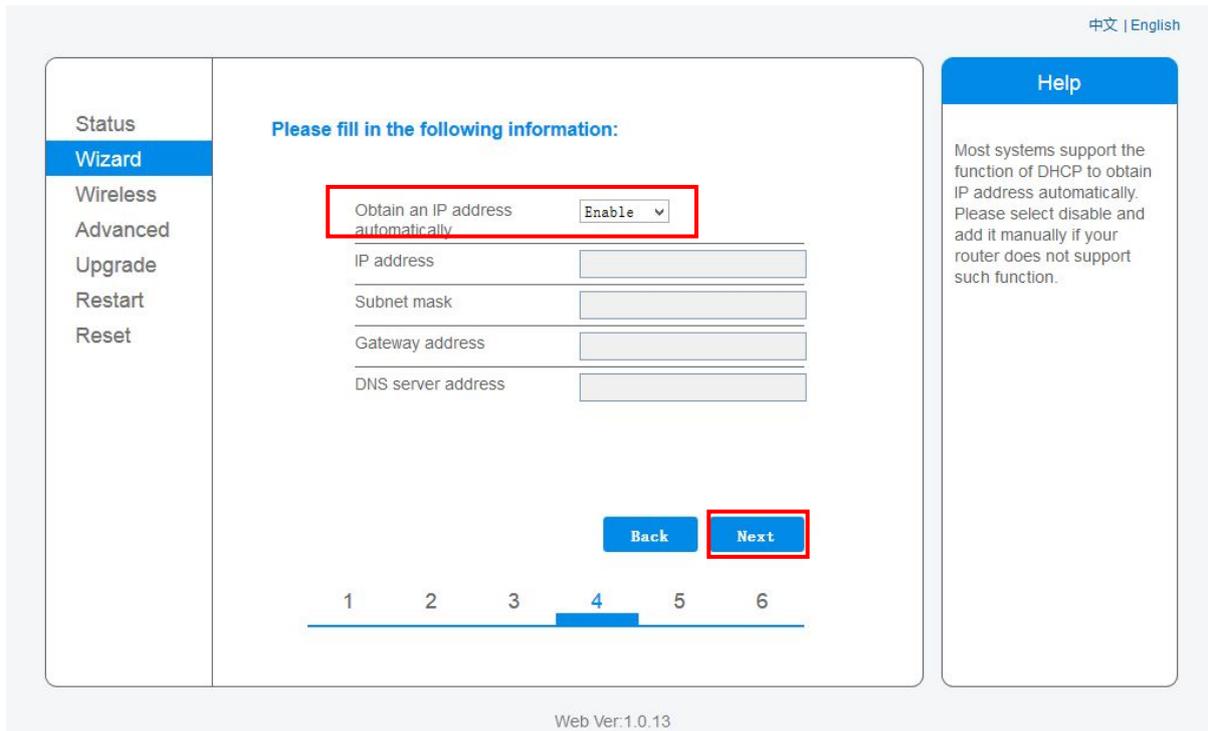
**Notice:** 1. If your desired connected wireless network is unavailable, please click Refresh to search it again.  
2. If the signal strength (RSSI) of the selected network is lower than 15%, which means unstable connection, please adjust the antenna of the router, or use a repeater to enhance the signal.



⑤ Type in the password to connect to the network, click **Next**.

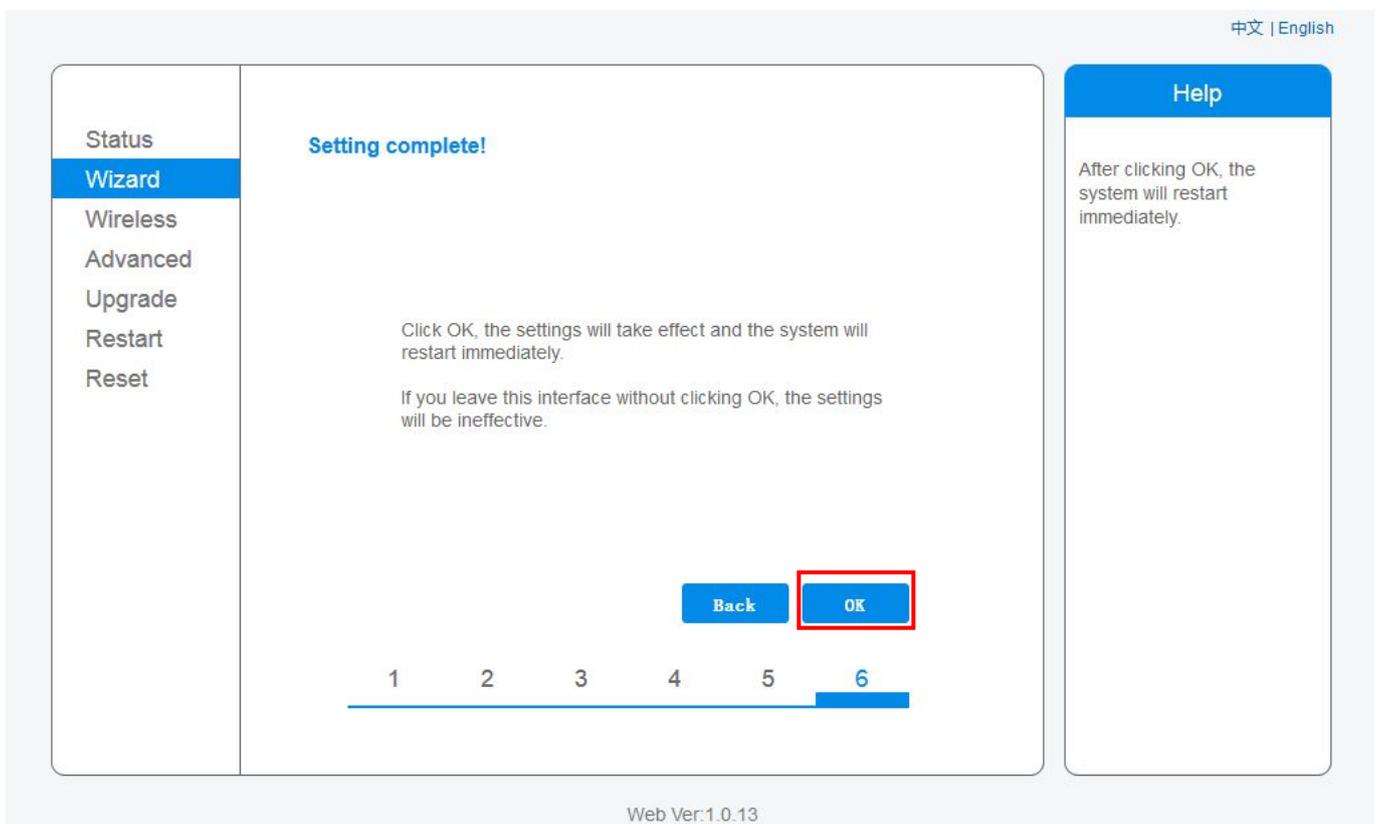
**Notice:** Please wait a moment during password authentication process. If the password is not consistent, the following prompt box will pop up.





⑥ Select **Enable** to enable the function to automatically obtain IP address, click **Next**.

Most systems support DHCP automatically obtain IP address function. If your router does not support, please select Disable and manually input.



⑦ If set up succeed, above interface will show, and click **OK** to restart module.

**Notice:** Click **OK**, the system will immediately restart. Restart will take about 30 s.

The screenshot displays a web management interface with a light blue header containing the language selector '中文 | English'. On the left is a vertical navigation menu with options: Status, Wizard (highlighted in blue), Wireless, Advanced, Upgrade, Restart, and Reset. The main content area features a large blue header with the text 'Setting complete! Please close this page manually!'. Below this, there are two paragraphs of text: 'Please login our management portal to monitor and manage your PV system. (Please register an account if you do not have one.)' and 'To re-login the configuration interface, please make sure that your computer or smart phone and our device are in the same network segment, and enter the new IP address of the device to access the interface.' To the right of the main content is a 'Help' section with a blue header and a note: '★Note: The IP address of the device may have changed, please refer to User Manual to check the procedures to obtain the new IP address.' At the bottom center of the interface, the text 'Web Ver:1.0.13' is visible.

⑧ If restart is successful, above interface will show.

**Notice:** The device may change the IP address. Refer to user manual to check how to find the IP address..

Status			Help
Wizard	<b>+ Inverter information</b>		<p>The device can be used as a wireless access point (AP mode) to facilitate users to configure the device, or it can also be used as a wireless information terminal (STA mode) to connect the remote server via wireless router.</p> <p><b>Status of remote server</b></p> <p>◆ Not connected: Connection to server failed last time. If under such status, please check the issues as follows:</p> <p>(1) check the device information to see whether IP address is obtained or not;</p> <p>(2) check if the router is connected to internet or</p>
Wireless	<b>- Device information</b>		
Advanced	Device serial number	703285115	
Upgrade	Firmware version	1.0.05a_0601_1.02	
Restart	Wireless AP mode	<b>Enable</b>	
Reset	SSID	AP_703285115	
	IP address	10.10.100.254	
	MAC address	ACCF233C9381	
	Wireless STA mode	<b>Enable</b>	
	Router SSID	yingzhenlink	
	Signal Quality	90%	
	IP address	192.168.2.177	
	MAC address	ACCF233C9380	
	<b>+ Remote server information</b>		

Web Ver:1.0.13

**Notice:** If IP address is 0.0.0.0, means that the configuration was failed, please restart the configuration.

Step 4 click "Advanced" -> "Working mode" -> Select "SOFAR" -> click "Save"

The screenshot displays the configuration interface for the device. On the left is a navigation menu with options: Status, Wizard, Wireless, Cable, **Advanced** (highlighted with a red box), Working mode, Remote server, Port setting, Access point, Upgrade, Restart, and Reset. The main content area is titled "Working mode" and contains two dropdown menus: "Working mode:" set to "Data collection" and "Inverter supported:" set to "SOFAR" (both highlighted with red boxes). A blue "Save" button is located below these settings. On the right, a "Help" section provides instructions: "The device usually works under data collection mode. You can select transparency mode if your device supports such function." and "When under transparency mode, the device with the connected device will communicate with remote computer directly." A note states: "★Note: After changing the settings, the device must be restarted." and "After restart, you will need to re-login the configuration interface. It is recommended to restart after completing all configurations." At the top right, there are language selection options: 中文 | English.

WiFi setting finished