

Dear customer!

The inverter and the external relay are already paired. Plug both parts together (see the following point 1) and plug the mains cord into the socket. Connect the solar panel DC cable to the inverter.

Attention:

The sun must be shining during commissioning in order for the inverter to be supplied with electricity.

It then takes about 15 minutes until the feed-in starts.

You can recognize it by the blue flashing of the LED. When the LED flashes blue rapidly, it is fed in at high power.

Points 2+3 of the following information is therefore only important, when the inverter does **not** recognize the relay.

Wichtiger Hinweis:

Der Inverter und das Externe Relais sind bereits gekoppelt (paired).

Deshalb sind beide Teile zusammenzustecken (siehe nachfolgenden Punkt 1) und die Netzanschlussleitung in die Steckdose zu stecken.

Verbinden Sie das Solarpanel DC Kabel mit dem Inverter.

Achtung:

Es muss bei der Inbetriebnahme die Sonne scheinen, damit der Inverter mit Strom versorgt wird.

Es dauert dann ca. 15 min, bis die Einspeisung startet (zu erkennen an dem blauen Blinken der LED).

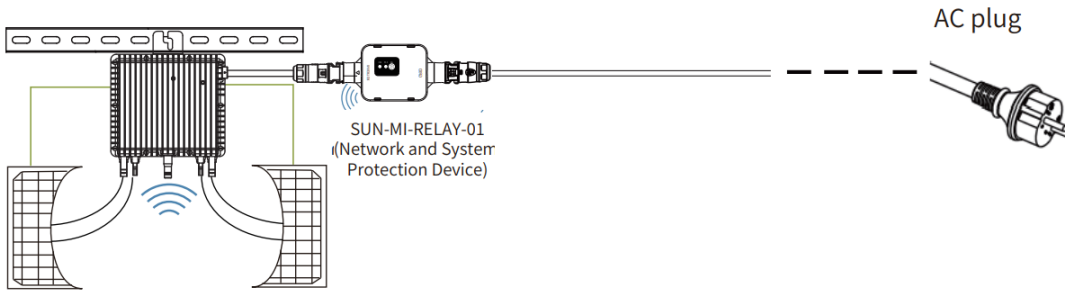
Wenn die LED schnell blau blinkt, wird mit hoher Leistung eingespeist.

Die Punkte 2+3 der folgenden Informationen sind deshalb nur wichtig, wenn der Wechselrichter das Relais **nicht** erkennt.

## 1. Installation

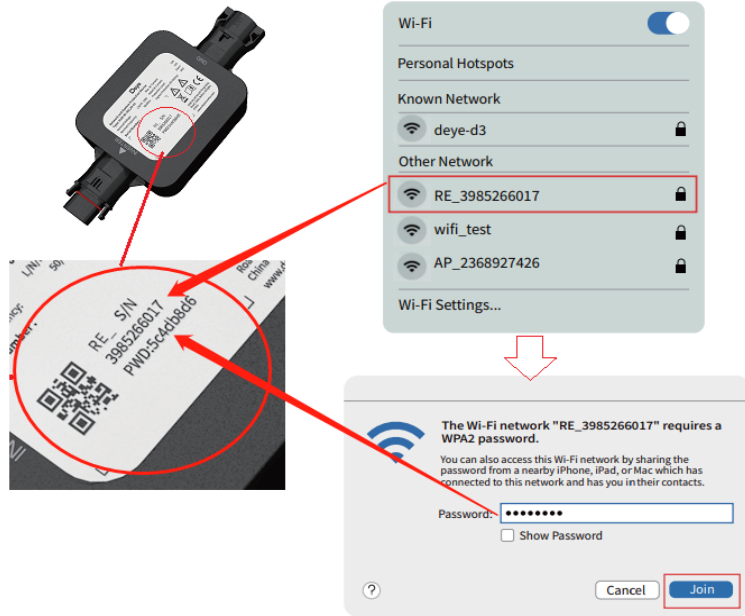
A. Connect Solar Modules to micro inverter; B. Connect Micro inverter to Extra Relay; C. Connect Relay to AC Plug Cable . D. Insert AC Plug to Socket .

- After connection the LED-Status of the inverter is constantly "red" and for the Relay (COM = off; AC/M = "red" and blinking "blue")

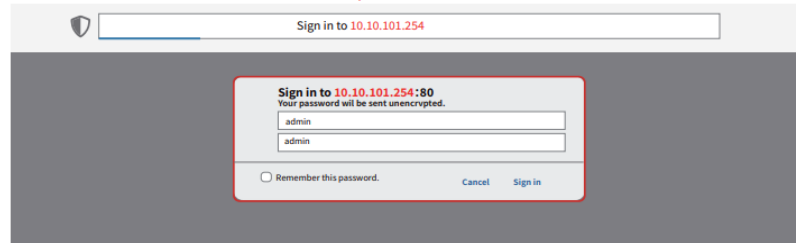


## 2. Connect Relay to Micro inverter via web

Connect wireless network of Relay



Open a browser and enter 10.10.101.254. Both username and password are "admin".(Recommended browser: IE 8+, Chrome 15+, Firefox 10 + )



- Attention:
- The installation device must be nearby the inverter
  - Sometimes, if you don't see the whole WIFI connections it is necessary to refresh or reconnect with the WIFI RE\_XXXXXXXXXX and to start the browser again with: 10.10.101.254

Connect Relay to Micro Inverter

Status  
Wizard  
**Quick Set**  
Advanced  
Upgrade  
Restart  
Reset

Network name (SSID)  
(Note: case sensitive)

Encryption method **WPA2PSK**

Encryption algorithm **AES**

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

Obtain an IP address automatically **Enable**

IP address

Subnet mask

Gateway address

DNS server address

**Note:** After clicking Save, the system will restart immediately.

**Help**

In this page, you can click the "Search" button to automatically search for nearby wireless access points, and connect your device to it by setting the network parameters.

**Note:** If you haven't set this kind of device before, please follow the setup wizard.

**Note:** After clicking Save, the system will restart immediately. You need to re-login the configuration interface after restart.

Status  
Wizard  
**Quick Set**  
Advanced  
Upgrade  
Restart  
Reset

Please select your current wireless network:

SSID	BSSID	RSSI	Channel
AP_3907817077	EC:F0:F8:5A:53:A	100	1

Please enter the password!

**Note:** When connection, shorten the distance between the device and router.

**Help**

Please refresh repeatedly if there is no desirable wireless access point



Status  
Wizard  
**Quick Set**  
Advanced  
Upgrade  
Restart  
Reset

Network name (SSID)  
(Note: case sensitive)

Encryption method **WPA2PSK**

Encryption algorithm **AES**

Password (8-64 bytes)  
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**Note:** If you haven't set this kind of device before, please follow the setup wizard.

**Note:** After clicking Save, the system will restart immediately. You need to re-login the configuration interface after restart.



If there isn't PWD on the series label, please input "12345678"

Status  
Wizard  
**Quick Set**  
Advanced  
Upgrade  
Restart  
Reset

**Setting completed! Please close this page manually!**

Please login our management portal to monitor and manage your PV system. (Please register an account if you do not have one.)

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.

**Note:** The IP address of the device may have changed, please refer to User Manual to check the procedure to obtain the new IP address.

Web Ver:1.0.24

**Help**

**Note:** The IP address of the device may have changed, please refer to User Manual to check the procedure to obtain the new IP address.

→ Attention:

- If the status shown in this picture is not correct to your device, please check if you are still connected to RE\_XXXXXXXXX on WIFI, then reconnect the right WIFI and start the browser again with: 10.10.101.254.

## Check 'Status' menu, make sure relay has connected to micro inverter

The screenshot shows the 'Status' menu of a device. The left sidebar contains navigation options: Status (selected), Wizard, Quick Set, Advanced, Upgrade, Restart, and Reset. The main content area is divided into three sections: Inverter information, Device information, and Remote server information. The Inverter information section shows fields for serial number, firmware versions, model, power ratings, and yield. The Device information section shows device serial number, firmware version, wireless AP mode, SSID, IP address (10.10.101.254), MAC address, and wireless STA mode. The Remote server information section shows two servers, both marked as 'Not connected'. A 'Help' section on the right provides instructions on using the device as an access point or information terminal, and details the status of the remote server connection, including troubleshooting steps for 'Not connected' and 'Unknown' states. A red box highlights the STA mode section in the Device information, and a red box highlights the IP address and MAC address of the STA mode.

中文 | English

### Status

- Wizard
- Quick Set
- Advanced
- Upgrade
- Restart
- Reset

#### - Inverter information

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

#### - Device information

Device serial number	3985266017
Firmware version	LSW5BLE_MW17_5406_RELAY_2701.00-D0
Wireless AP mode	Enable
SSID	RE_3985266017
IP address	10.10.101.254
MAC address	40:2A:8F:B1:07:5F
Wireless STA mode	Enable
Router SSID	AP_3907817077
Signal Quality	100%
IP address	10.10.100.150
MAC address	40:2A:8F:B1:07:5F

#### - Remote server information

Remote server A	Not connected
Remote server B	Not connected

### Help

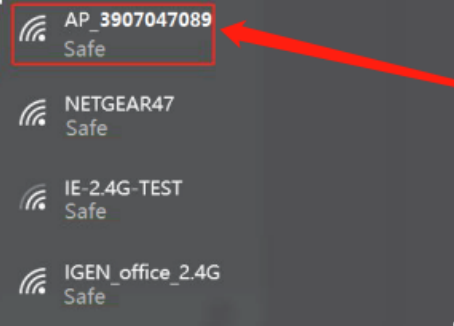
The device can be used as a wireless access point(AP mode) to facilitate users to configure the device, or it can also be used as a wireless information terminal (STA mode) to connect the remote server via wireless router.

#### 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 connected to internet or not; (3)check if a firewall is set on the router or not;
- Connected: connection to server successful last time;
- Unknown: No connection to server.Please check again in 5 minutes.

### 3. Connect micro inverter to router via web

Connect wireless network of logger



AP\_3907047089  
Safe


NETGEAR47  
Safe

IE-2.4G-TEST  
Safe

IGEN\_office\_2.4G  
Safe

SN:2302202012

Wi-Fi S/N  
3907047089  
PWD:5c4db4d8



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

10.10.100.254

http://10.10.100.254 Please input username and password. "USER LOGIN"

Username: admin

Password: \*\*\*\*\*

Sure Cancel

Status  
Wizard  
Quick Set  
Advanced  
Upgrade  
Restart  
Reset

Help

The setup wizard will assist you to complete the device setting within one minute.

→ Attention:

- Sometimes, if you don't see the whole WIFI connections it is necessary to refresh or reconnect with the WIFI AP\_XXXXXXXXXX and to start the browser again with: 10.10.100.254.
- In the area "Enhance Security" an entry is not essential

Status

**Wizard**

Quick Set

Advanced

Upgrade

Restart

Reset

Please select your current wireless network:

<input 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"/>	IGENTEST	0-BE-D5:20-B8:2C	76	1
<input type="radio"/>		E8:65:D4:F2:15:88	74	6
<input type="radio"/>		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"/>		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"/>	TESR+™ ?	4A-E:EC:9E:C3:3E	70	11
<input type="radio"/>	IGEN_office_2.4G	0-BE-D5:20-B7:EE	66	11
<input type="radio"/>		68:08:65:72:8A:54	66	11

\* 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

Next

1 2 3 4



Status

**Wizard**

Quick Set

Advanced

Upgrade

Restart

Reset

Please fill in the following information:

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

Show Password

Obtain an IP address automatically

IP address

Subnet mask

Gateway address

DNS server address

Back Next

1 2 3 4



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



Status

**Wizard**

Quick Set

Advanced

Upgrade

Restart

Reset

**Setting complete!**

Click OK, the settings will take effect and the system will restart immediately.

If you leave this interface without clicking OK, the settings will be ineffective.

Back OK

1 2 3 4

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.

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.

Help

After clicking OK, the system will restart immediately.

→ Attention:

- If the status shown in this picture is not correct to your device, please check if you are still connected to WIFI AP\_XXXXXXXXX, then reconnect this WIFI and start the browser again with: 10.10.100.254.  
(Sometimes it takes longer than 1 or 2 minutes before the result shows "Remote Server A - **connected**". This depends on the WIFI-area.)
- If the Status is OK and Remote Server is "connected", then reconnect your device with your normal home WIFI.

Check 'Status' menu, make sure micro inverter has connected to router

The screenshot displays a web interface with a 'Status' menu on the left and a main content area. The 'Status' menu includes options like Wizard, Quick Set, Advanced, Upgrade, Restart, and Reset. The main content area is divided into sections: Inverter information, Device information, Wireless STA mode, and Remote server information. A 'Help' sidebar is also visible on the right.

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

- Device information	
Device serial number	3907047089
Firmware version	LSW3_14_FFFF_1.0.23
Wireless AP mode	Disable
SSID	
IP address	
MAC address	
Wireless STA mode	Enable
Router SSID	IE-2.4G-TEST
Signal Quality	100%
IP address	172.16.30.247
MAC address	98:D8:63:71:8D:B0

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

**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 connected to internet or not;  
[3]check if a firewall is set on the router or not;
- Connected: connection to server successful last time;

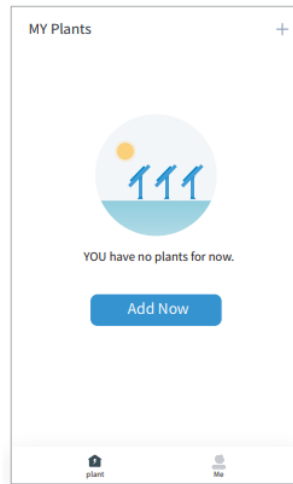
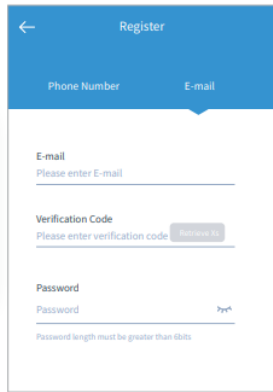
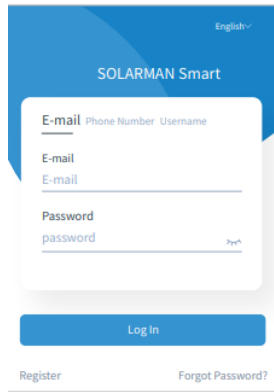
known: No connection server. Please check in 5 minutes.

#### 4. Install “Solarman Smart” App and connect micro inverter to app (Load the App from “Play-Store” (Android) or from App-Store (IOS))

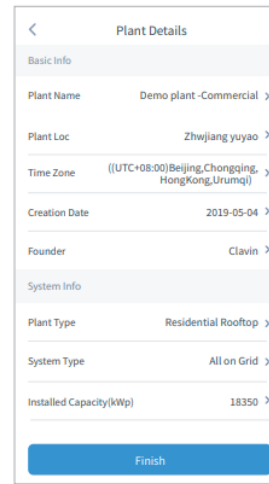
→ Attention:

- When you are asked for the country and region immediately after starting the app, please fill out the form.
- When you are asked during create a plant, if you have an installer for your power plant, please answer with **NO**..because it is a private balcony power plant

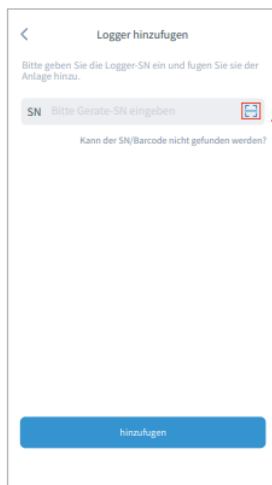
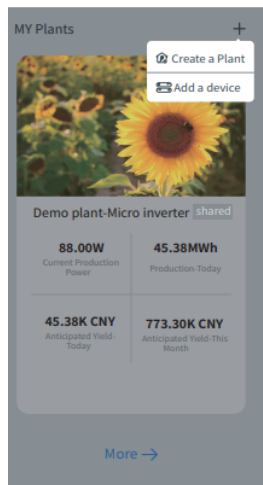
Open the app of SOLARMAN Smart and register an account.



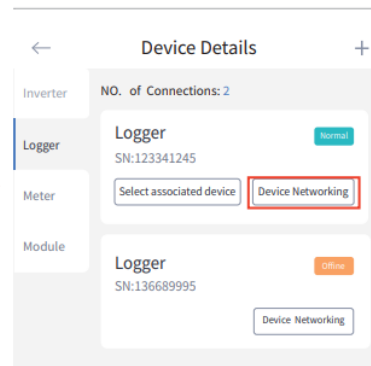
Create a Plant



Add a Logger



Network Configuration







SN: 3907047089

### Please enter Wi-Fi password

5G frequency band is not supported. Please connect to 2.4G frequency band.

TP-LINK\_CF17 [Change network](#)

Do you need password

[Start to configure](#)

Text guide

Demo video



### Device Configuration

**1** Go to WLAN Setting and connect the following network manually

Please shorten the distance between the device, router and phone.

**AP\_3907047089**

**2** Some devices might need a password to connect the network. You can find the password on the device enclosure.

**3** Connected.

[Connect](#)

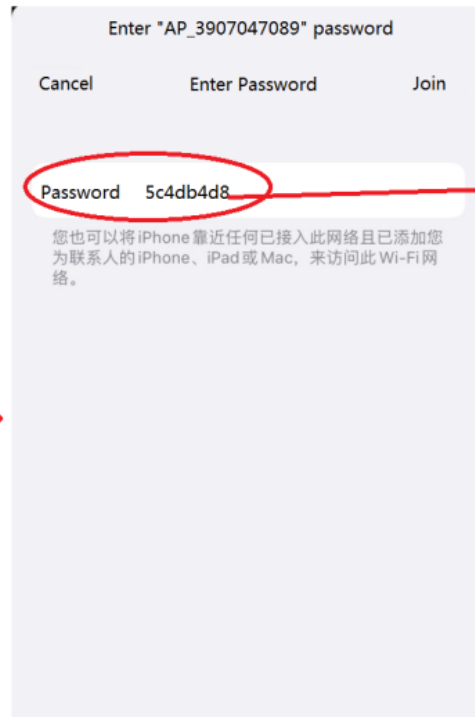
[Restart](#) [Cancel](#)

Verified

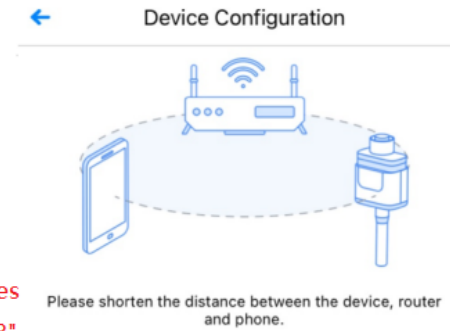
→ Attention:

- If the "Device Configuration" shows "failed", disconnect and connect the AP\_XXXXXXXXX Wi-Fi again and repeat the procedure
- If the "Device Configuration" shows "OK" after verified, then connect your device with your normal home WIFI

Select the WIFI corresponding to logger to complete Device Configuration



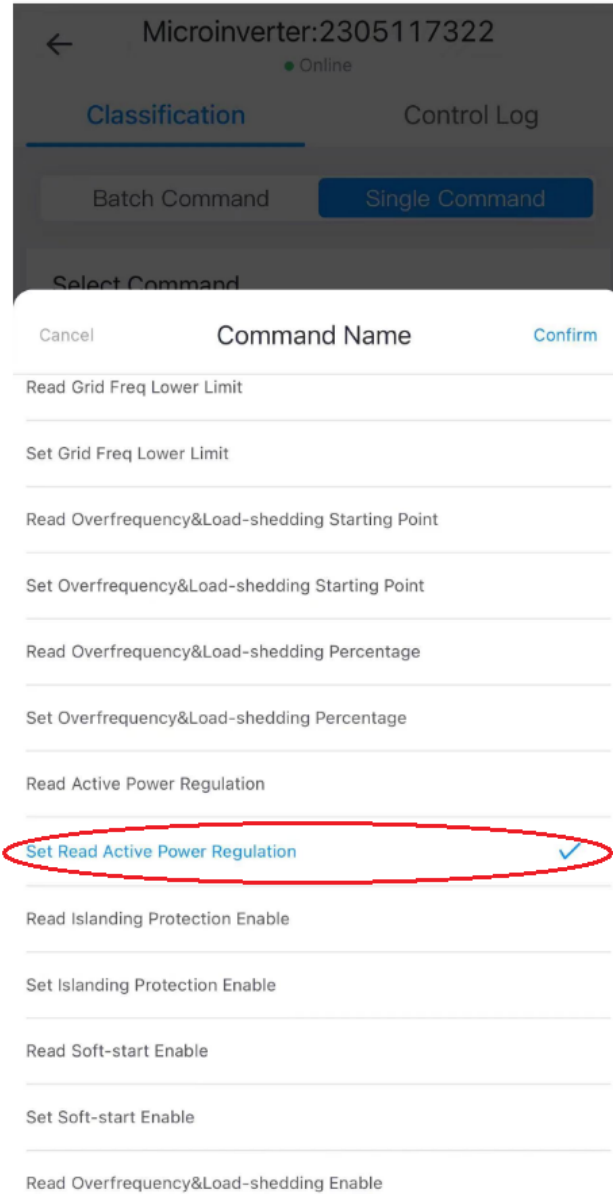
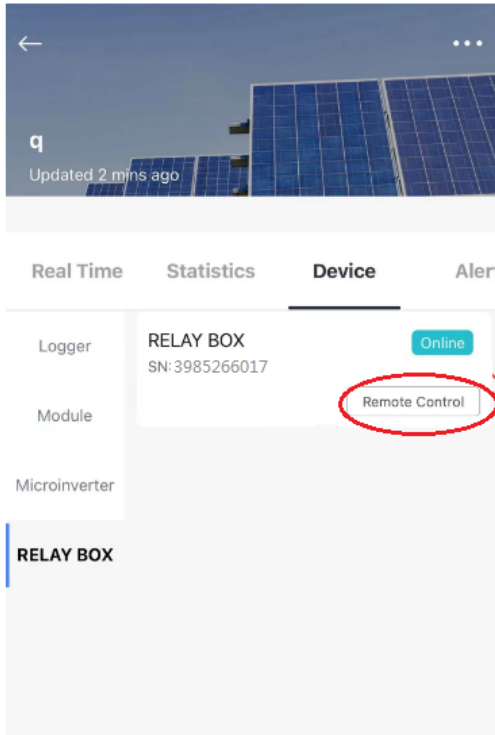
If there isn't PWD on the series label, please input "12345678".



- ✓ Connect to device
- ✓ Configuring
- ✓ Restart
- ⋮ Verified

5. Adjust active power (preset 75%, 600 W) for Deye micro inverters (if you have no need to adjust active power, please ignore this step)

Tick "Remote control"



For Example, SN:2302202012 800W Microinverter, we can change it to 600W via setting 75% at the "input" below. (800w \* 0.75=600w)

