Microinverter APP User Guide
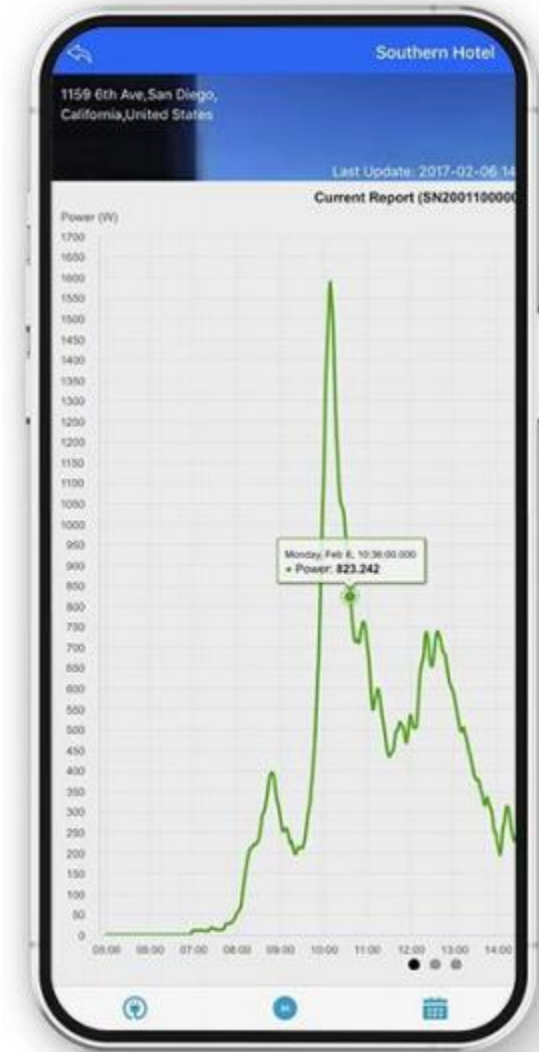
Northern Electric Power Co,. Ltd.

Date: 02/2024
Revision: V3.0

Content

Account login & registration -- Log in

- Click 1 to enter the user's email account
- Click 2 to enter the login password
- Click 3 to remember the entered account and password

  (After checking this, the account and password will be saved locally if you

successfully log in, so you don't need to enter them the next time you log in)

- Click 4 to log in
- Clicking 5 will jump to the password reset page
- Click 6 to jump to the new account registration page

Account login & registration -- Registration

- Click 1 to enter user name

- Click 2 to enter your email account (login account)

- Click 3 to enter the login password

- Click 4 to enter a phone number (optional)

- Click 5 to select a country and region

- Click 6 to register a new user

- Clicking 7 will jump to the login page

Create An Account

Securely Create your account

Full Name ①

Email address ②

Password ③

Enter number ④

Country/Region ⑤

Create Account ⑥

I Already Have an Account Log in ⑦

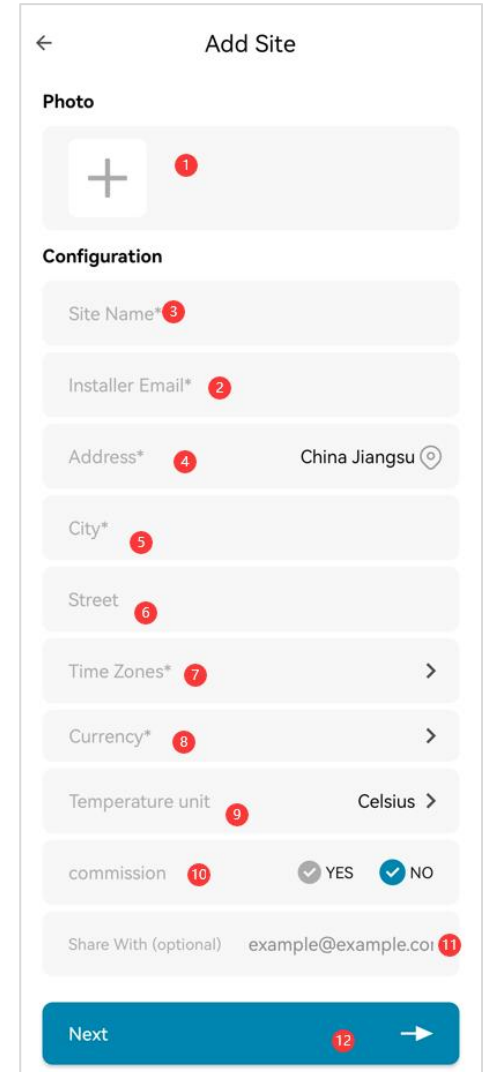# Account login & registration -- Reset password

- Click 1 to enter the email address where you want to reset your password
- Click 2 to re-enter the email address where you want to reset the password, making sure the two email addresses are consistent.
- Click 3 to send an email to the entered email address, and then modify the password in the email address.
- Click 4 to jump to the login page

Create a site -- Enter the site information

- Click 1 to select the site picture (optional)
- Click 2 to enter the installer/end user email address (required)
  - If the current creator identity is an installer, you need to enter the end user email address
  - If the current creator identity is an end user, you need to enter the installer's email address
- Click 3 to enter the site name (required)
- Click 4 to select the country and region (required)
- Click 5 to enter the city (required)
- Click 6 to enter the street (optional)
- Click 7 to select the time zone (required)
- Click 8 to select the currency (required)
- Click 9 to select the temperature unit (optional)
- Click 10 to select commission (default NO)
- Click 11 to enter the sharing email address (optional)
- The entered email address can also see this site, only view permission
- Click 12 to confirm creating the site

Create a site -- Add device

Gateway device (details on P8-11)

- Click 1/2 to switch the device type that needs to be added. The selected style is 1

- Click 3/4 to choose how to enter the serial number

- Click 3 to manually enter the serial number

- Click 4 to scan the barcode to import the serial number

- Click 5 to delete the current serial number

- Click 6 to modify the current serial number

- Area 7 displays the serial number entered via 3/4

- Click 8 to submit data

Create a site -- Add device

Gateway device (instructions for P7)

• Click 3 to manually enter the serial number

A pop-up window will appear, enter the 14-digit SN
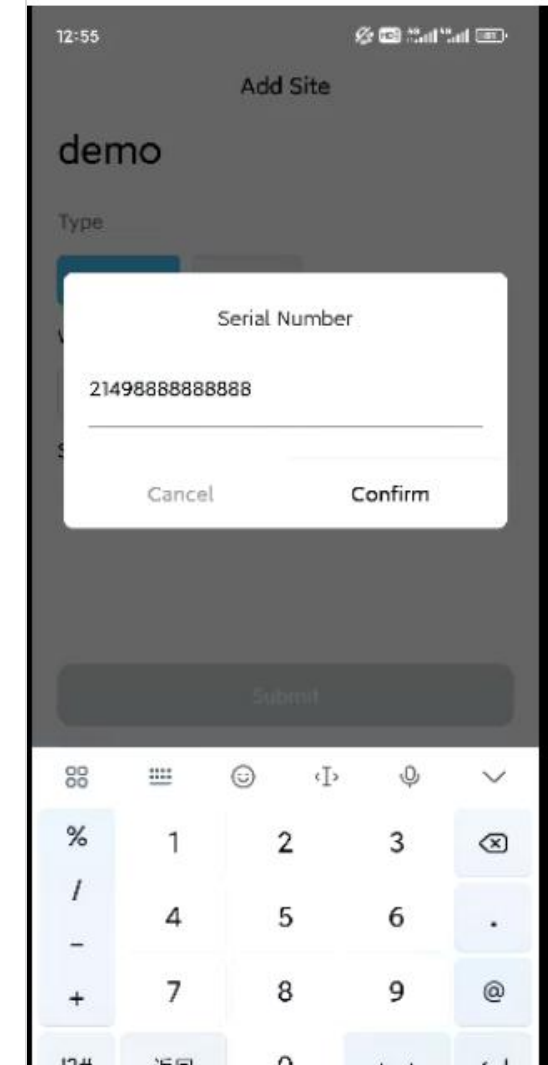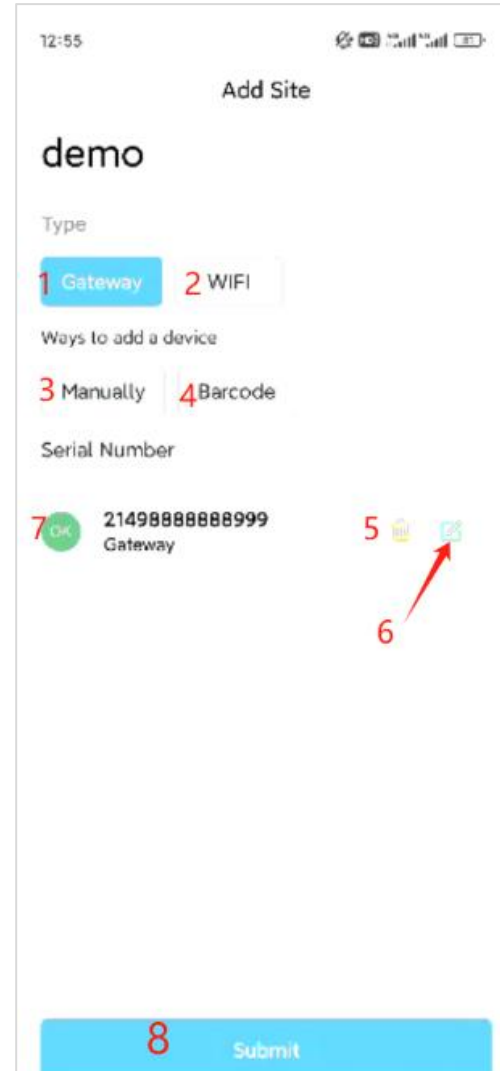
Create a site -- Add device

Gateway device (instructions for P7)

- Click 4 to scan the barcode to import the SN

  Different mobile phones have different styles

  Just align the middle scanning area with

  the corresponding serial number barcode
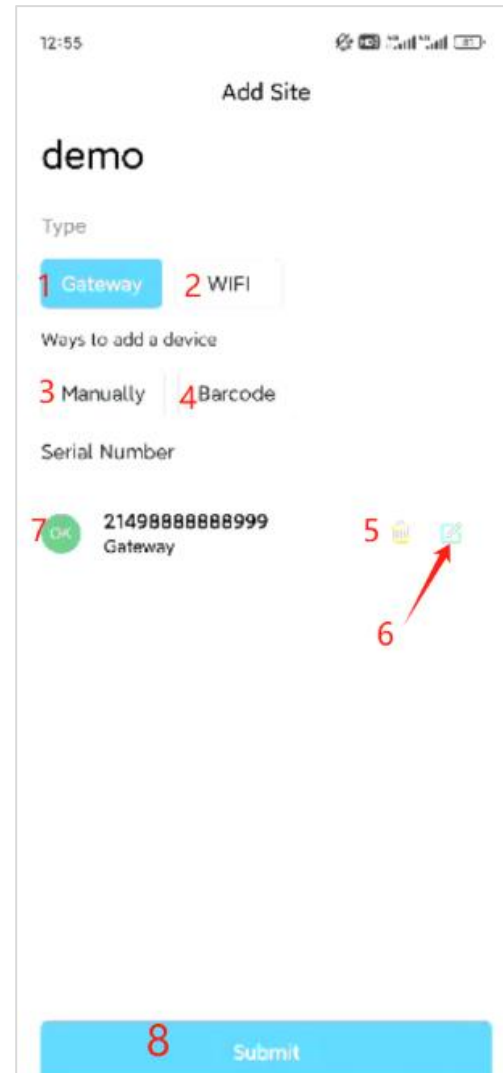
Create a site -- Add device

Gateway device (instructions for P7)

• Click 5 to delete the current serial number

  Clicking yes will delete the current SN

Create a site -- Add device

Gateway device (instructions for P7)

• Area 7 displays the serial number entered via 3/4

Note: There will be 3 states

- OK, means the SN is correct

- Exist, means the SN has been bound by other sites

- Err, means the serial number is wrong

Create a site -- Add device

WiFi device (details on P13-25)

• Click 1/2 to switch the device type that needs to be added. Select 2

• Click 3/4/5 to choose how to enter the serial number

• Click 3 to manually enter the serial number

• Click 4 to scan the barcode to import the serial number

• Click 5 to automatically scan nearby devices. You need to ensure that the WiFi switch is turned on on the current phone (IOS does not have this function)

• Click the small icon to the left of 6 to show how to put the device into WiFi configuration.

• Area 7 displays the serial number entered via 3/4

• Click 8 to delete the current serial number

• Click 9 to modify the current serial number. Note that the scanned SN cannot be modified

• Click 10 to configure the network for SN

• Click 11 to submit data

Create a site -- Add device

WiFi device (instructions for P12)

- Click 3 to manually enter the serial number

  A pop-up window will appear, enter the 8-digit SN.

  The picture on the right shows the wrong SN.
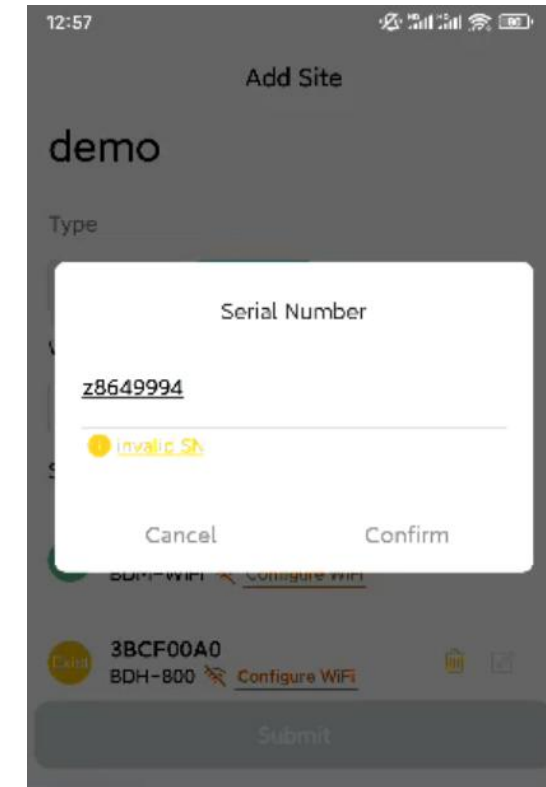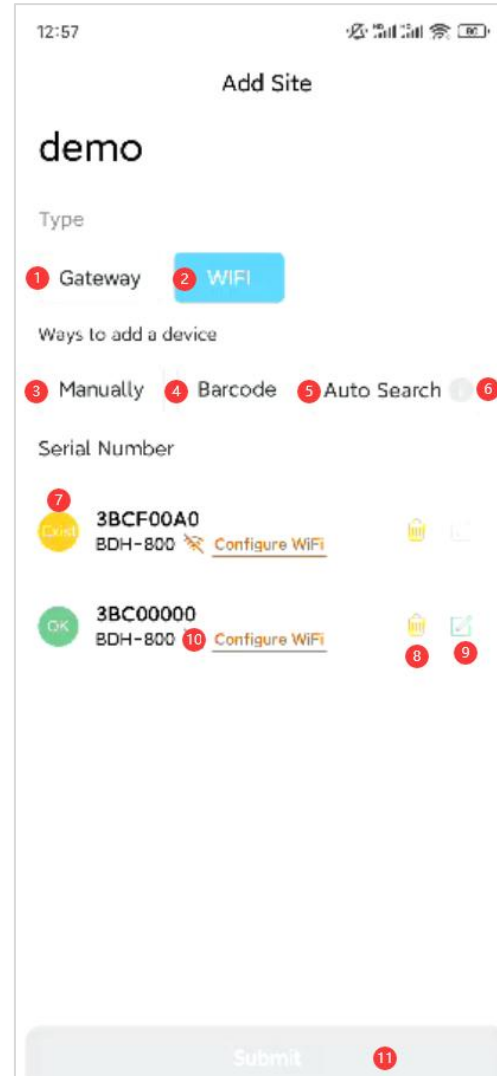
Create a site -- Add device

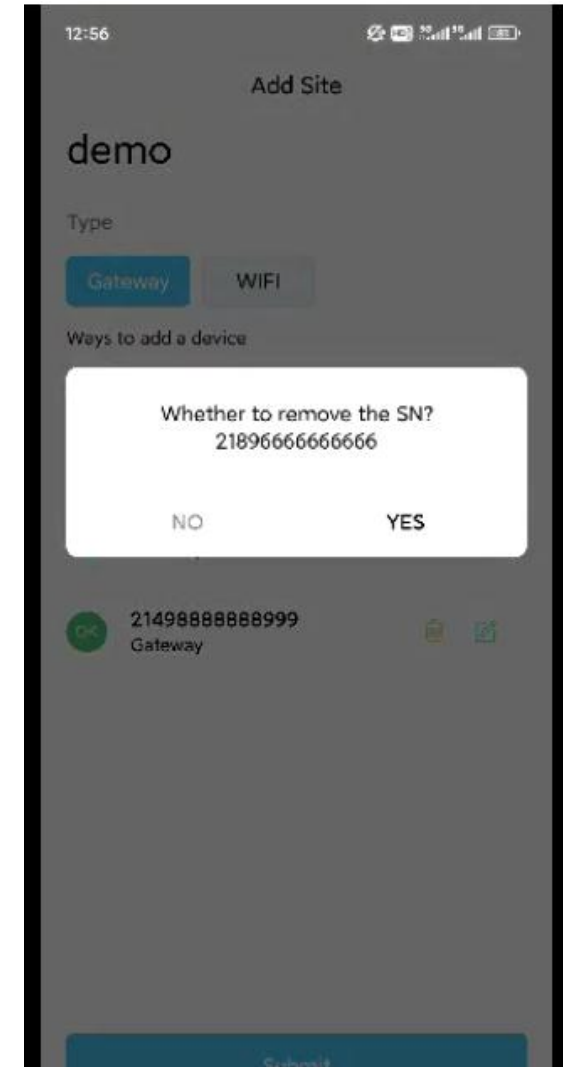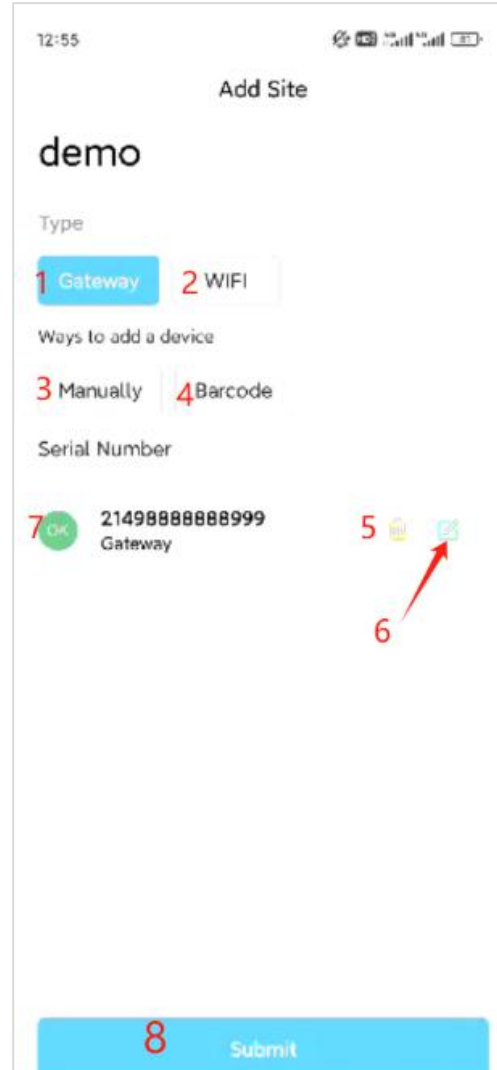**WiFi device (instructions for P12)**

- Click 4 to scan the barcode to import the SN

  Different mobile phones have different styles

  Just align the middle scanning area with

  the corresponding serial number barcode
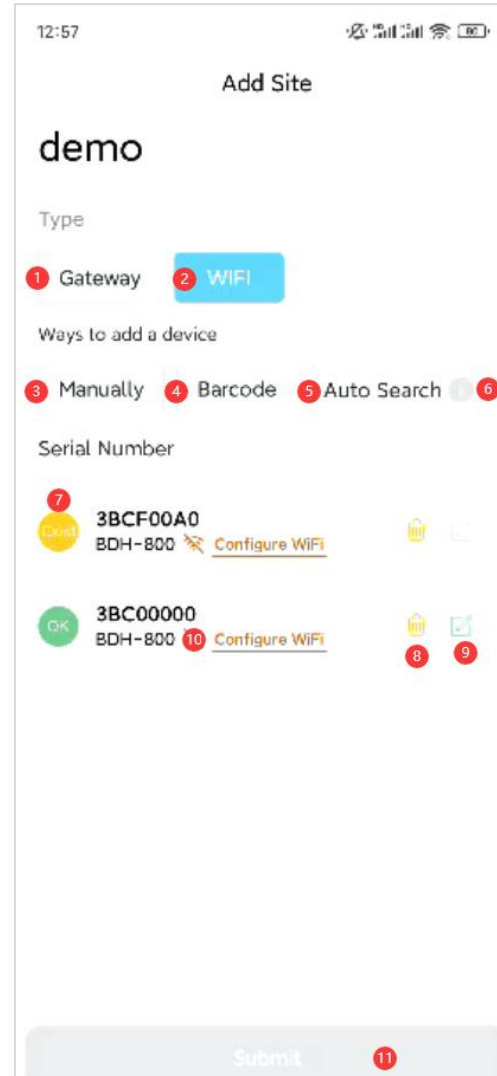
Create a site -- Add device

WiFi device (instructions for P12)

• Click 5 to automatically scan for nearby devices

You need to make sure that the WiFi switch is turned

on on your current phone

The picture shows the scanning in progress page
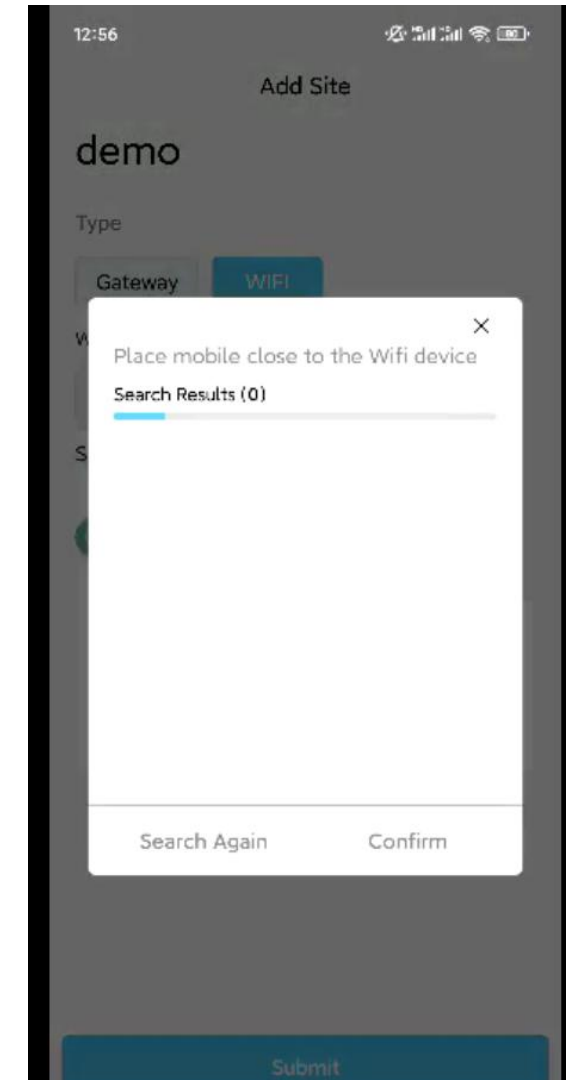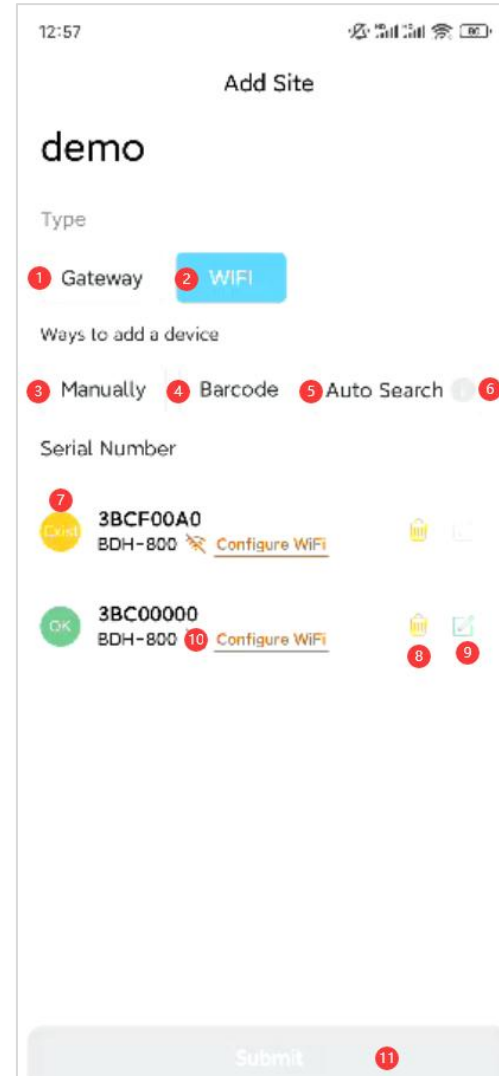
Create a site -- Add device

WiFi device (continued from previous page)

• Automatically scan for nearby devices

The picture shows the scan results page

- Click 1 to select the SN, and all are selected by default.

- Click 2 to add the selected SN to the serial number list, and close the pop-up window

- Click 3 to search again

- Click 4 to close the page
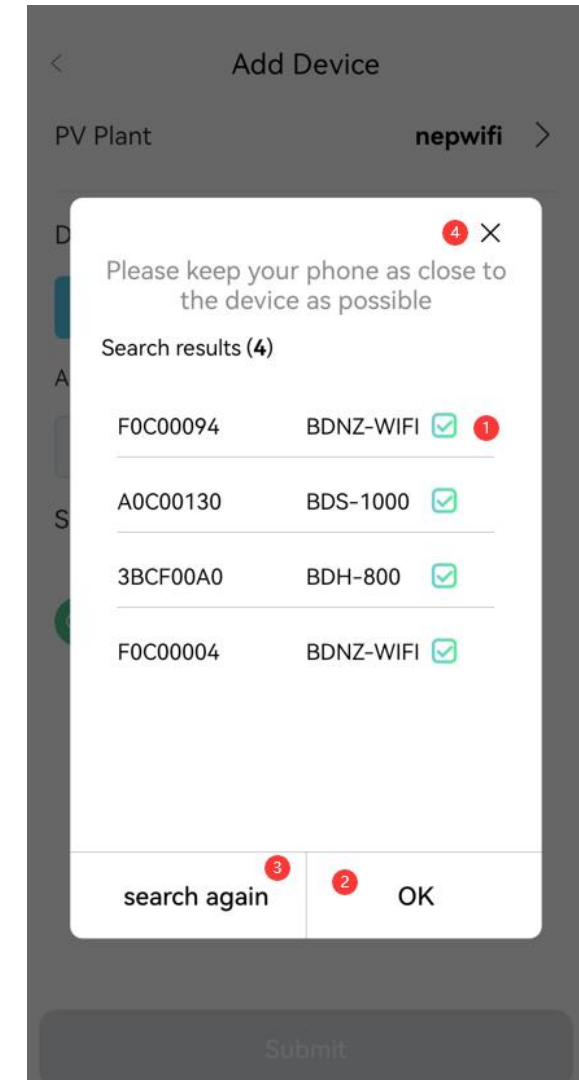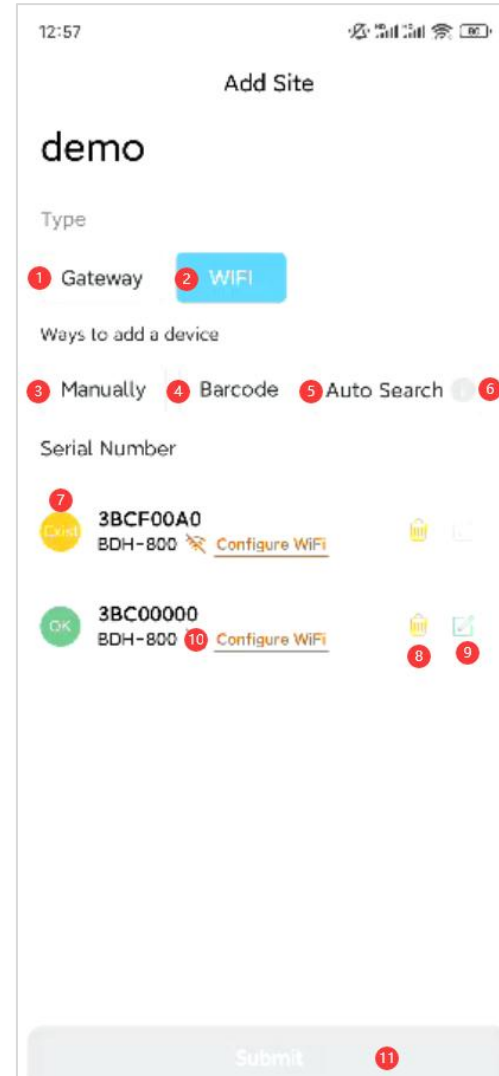
Create a site -- Add device

WiFi device (instructions for P12)

- Click the small icon to the left of 6 to show how to put the device into the WiFi configuration state The prompt as shown in the picture is just a simple prompt without any function.
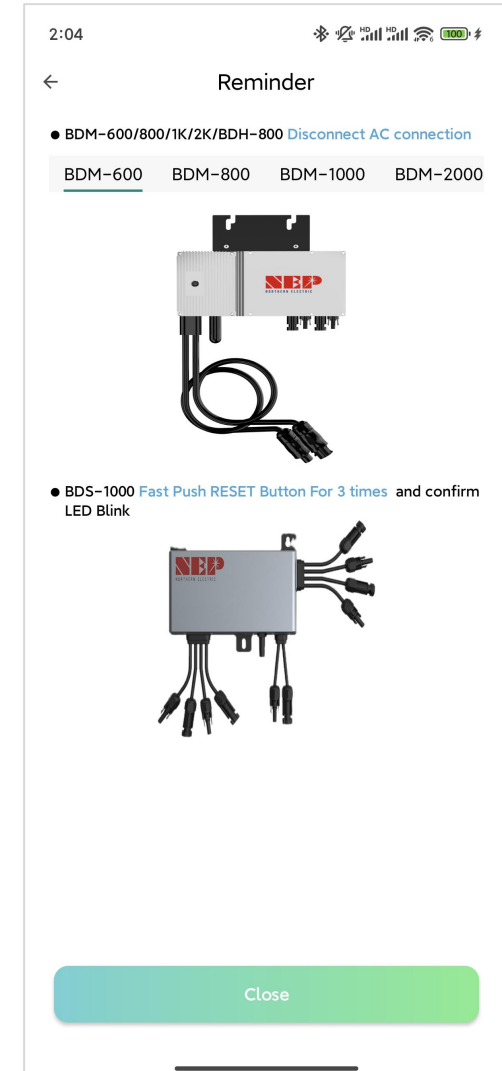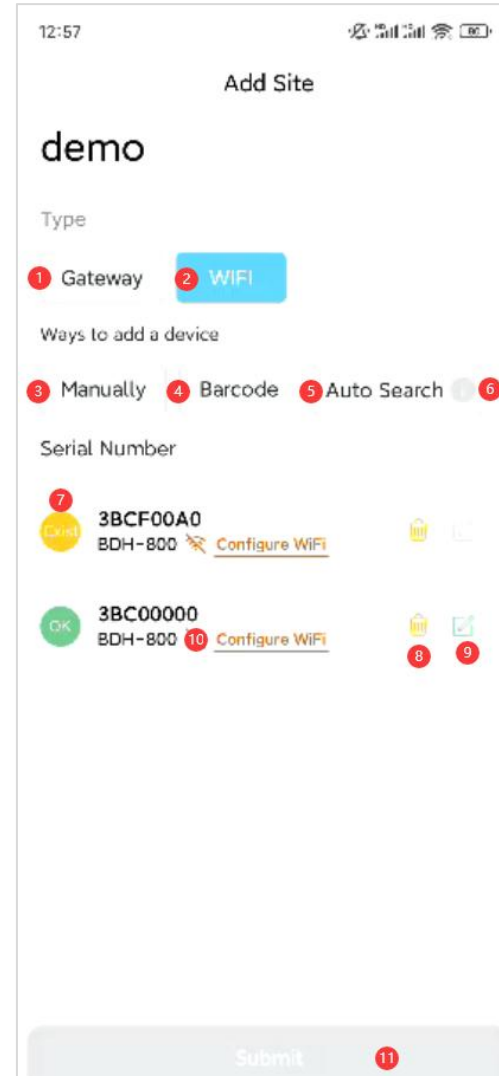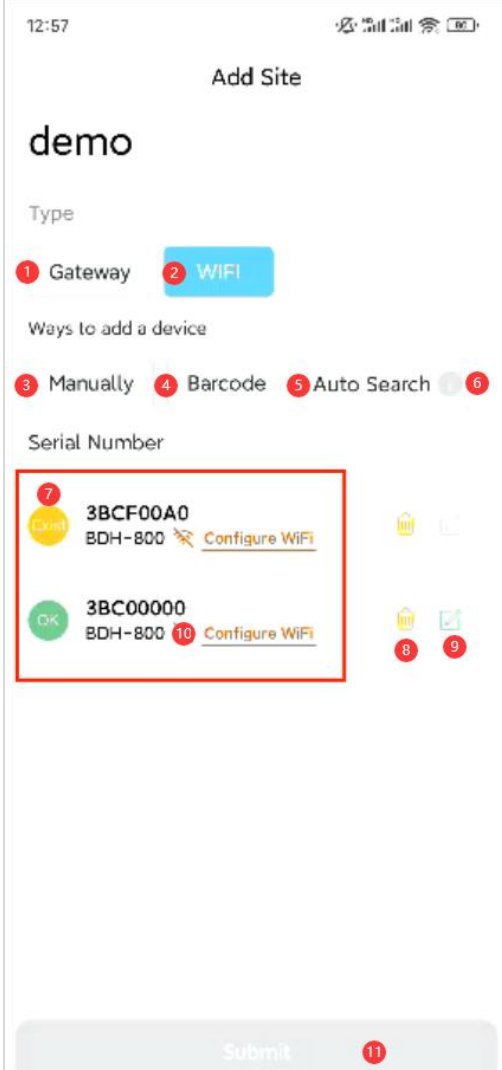
Create a site -- Add device

WiFi device (instructions for P12)

• Area 7 displays the serial number entered via 3/4

Note: There will be 3 states

- OK, means the SN is correct

- Exist, means the SN has been bound by other sites

- Err, means the serial number is wrong

Create a site -- Add device

WiFi device (instructions for P12)

• Click 8 to delete the current serial number

Clicking yes will delete the current SN
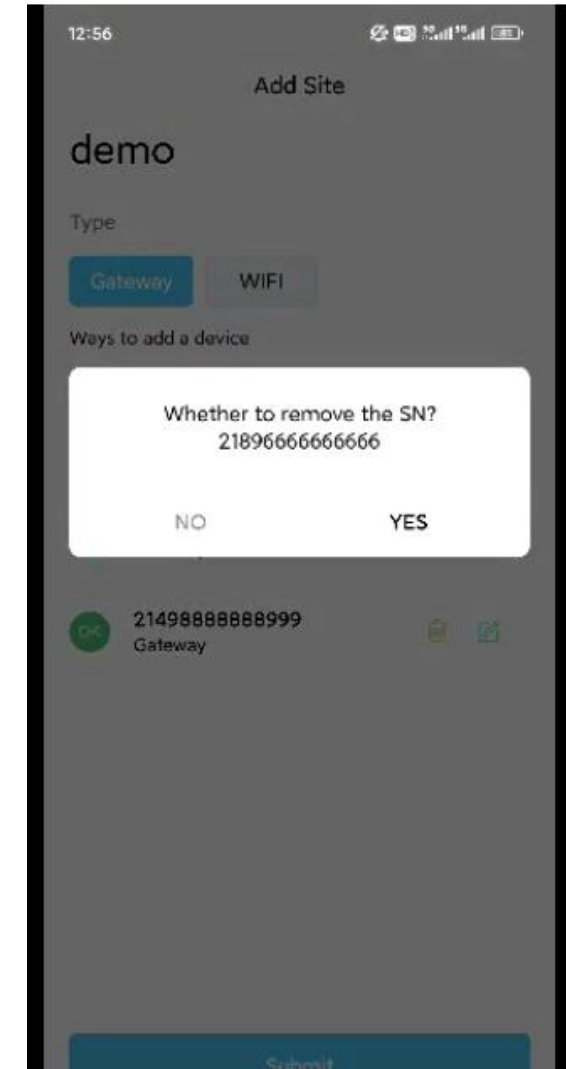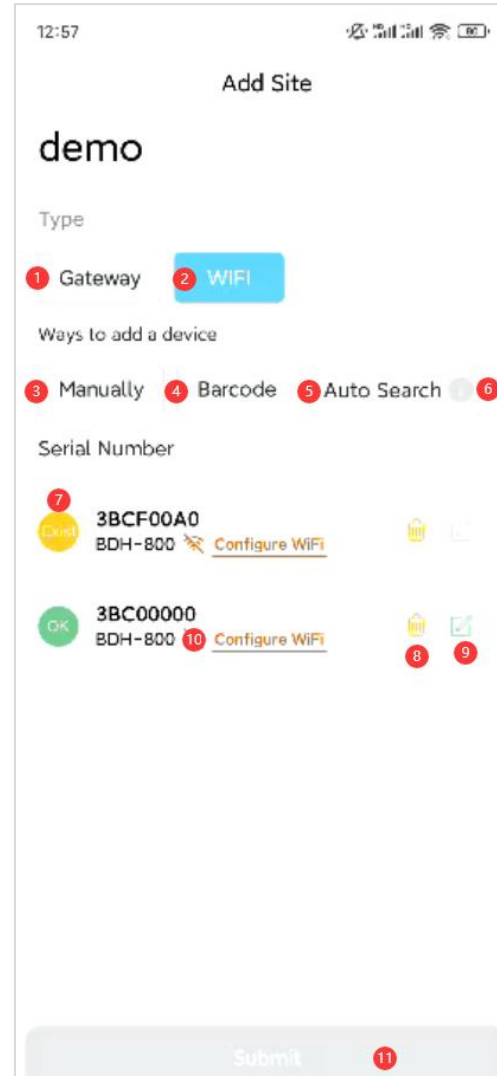
Create a site -- Add device

WiFi device (instructions for P12)

• Click 11 to submit data (can only be submitted

   if all 7 areas are OK)

   - **Exist** exists in area 7 in the left picture, so it

   cannot be submitted.

   - The status of the 7 areas on the right are all OK,

   the **Submit** button appears, and you can submit
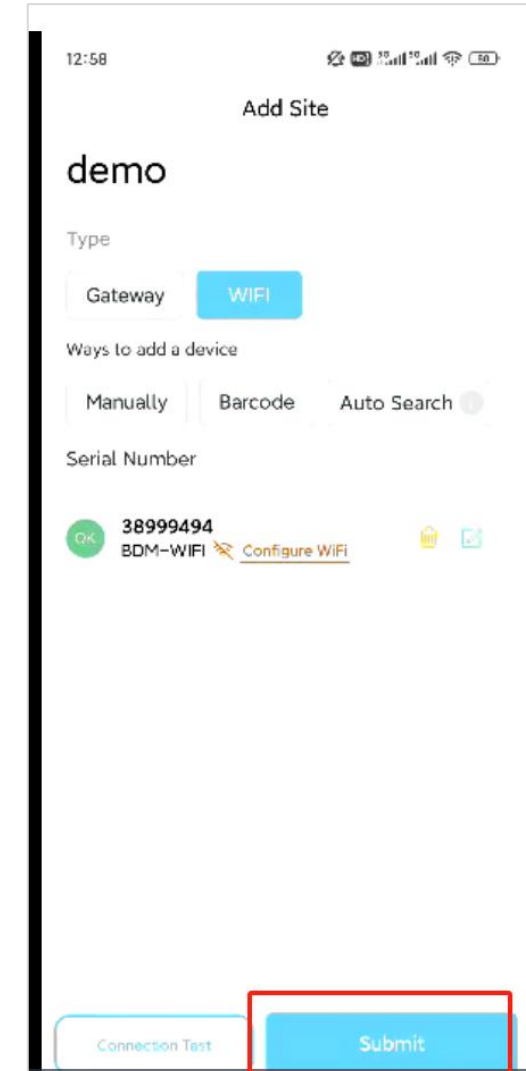
Create a site -- Add device

WiFi device (instructions for P12)

• Click 10 to configure the network for SN

   The picture on the right shows the home WIFI

   account and password input page.

   - Click the menu to the right of 1 to select WIFI,

      Click the input box to the left of 1 to enter the

      WIFI name

   - Click 2 to enter the WIFI password

   - Click 3 to conduct a connectivity test and

   start to WiFi configure

   - Click 4 to cancel network provisioning
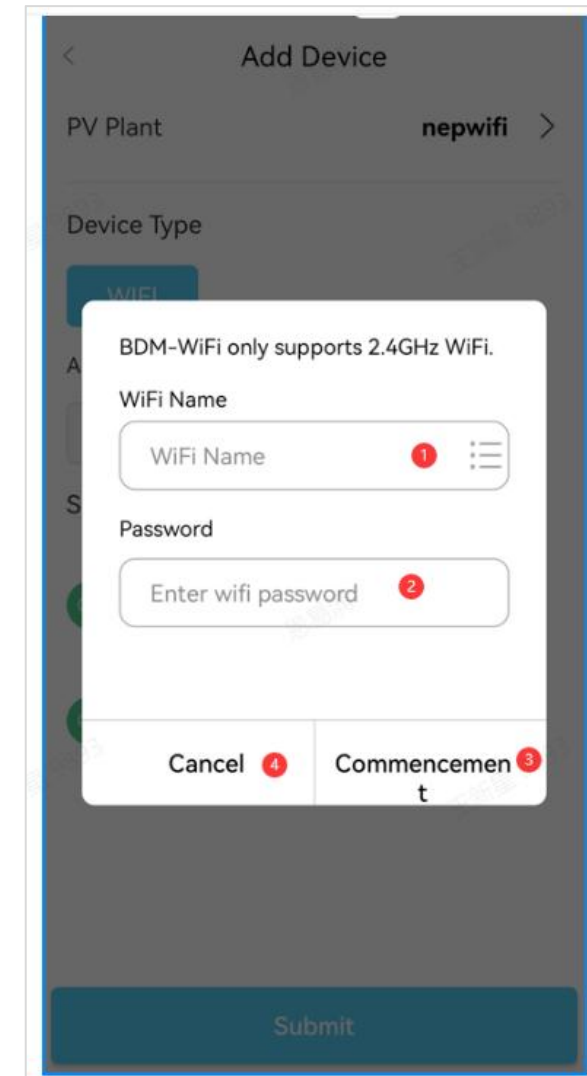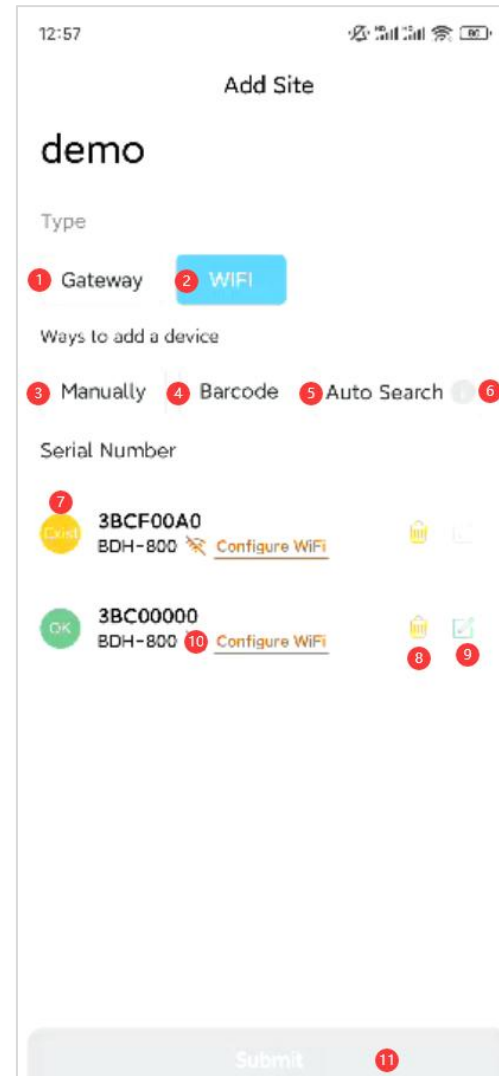
Create a site -- Add device

WiFi Configuration (continued from previous page no.3)

• Conduct a connectivity test and start WiFi configuration by entering the

account and password

The picture shows the test passing page
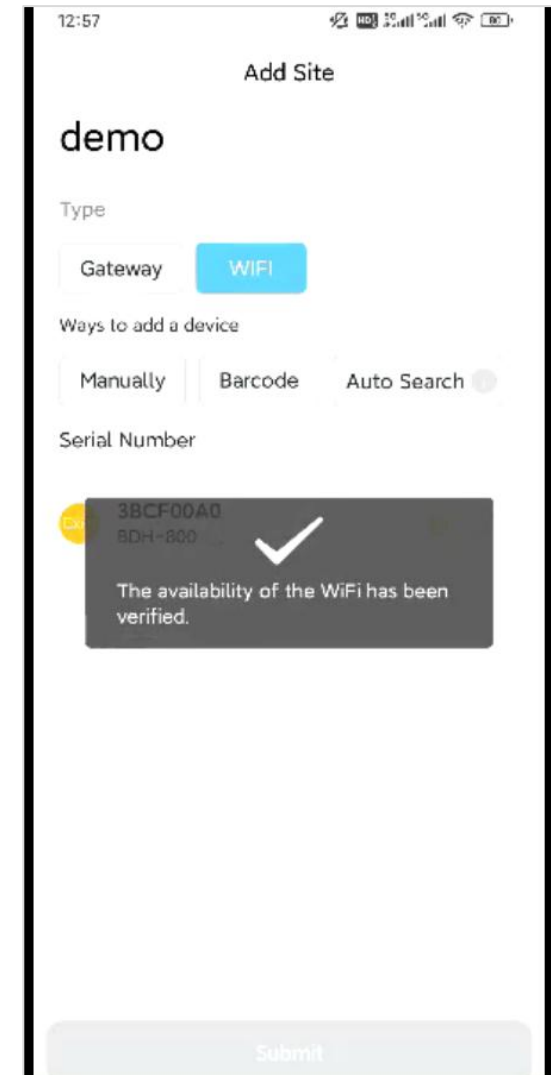
Create a site -- Add device

WiFi Configuration

• Start configuring, the icon in the red box

 in the picture will rotate

• After the configuration is completed, you will

 be prompted whether to perform a connectivity test.

• Click OK to check the device's networking status

• Clicking Cancel will not perform the test
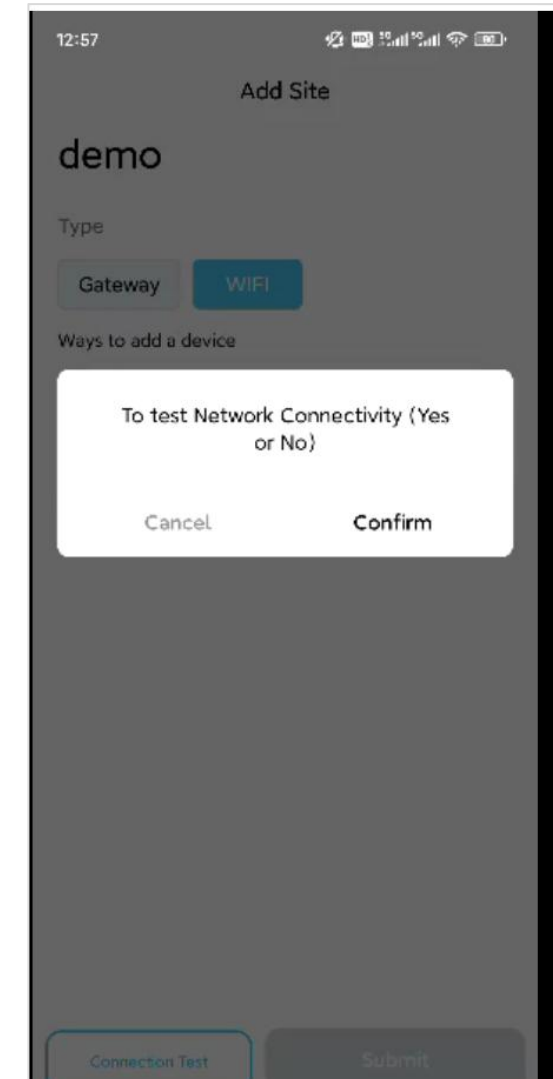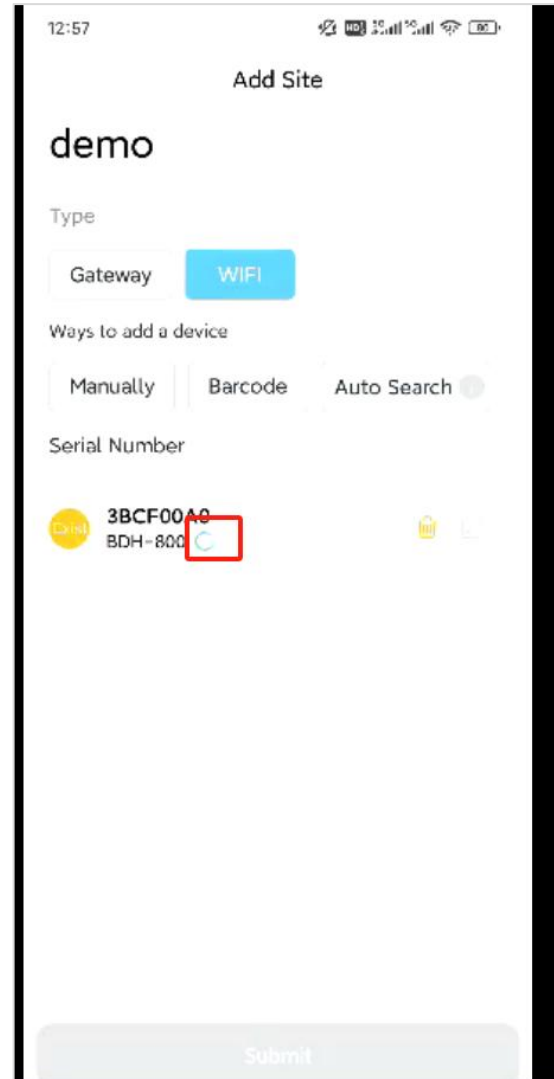
Create a site -- Add device

WiFi Configuration

- The device's networking status is normal

  The picture shows the results displayed by the end user

  The device IP will be displayed in the red box in the installer's 1 area.

- Click the 2 area button to re-test
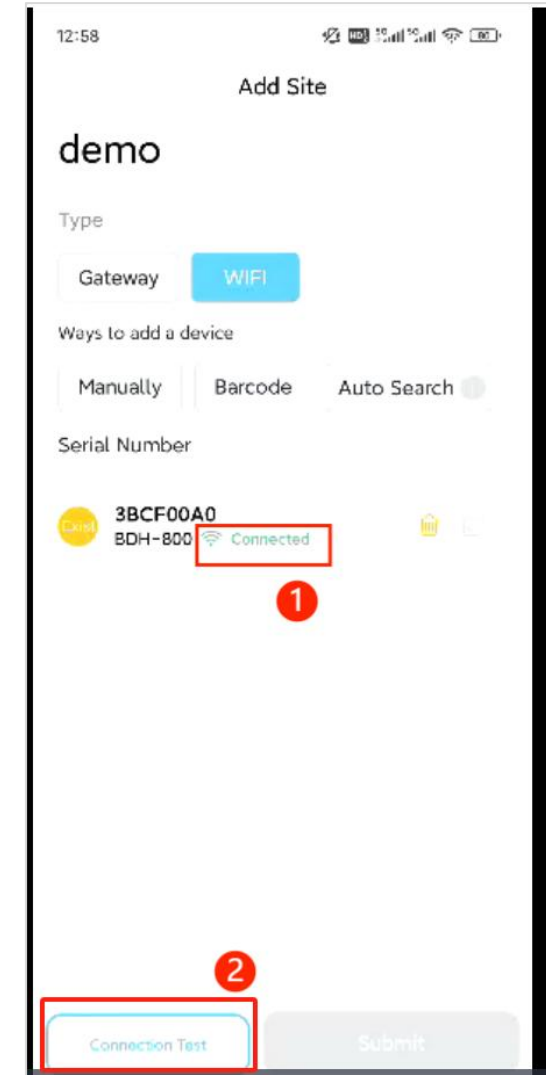
Create a site -- Add device

WiFi device (instructions for P12)

• Creation completed

   The page is as shown in the picture

   - Click 1 to jump to the homepage

   - Click 2 to jump to the device details page

User Interface
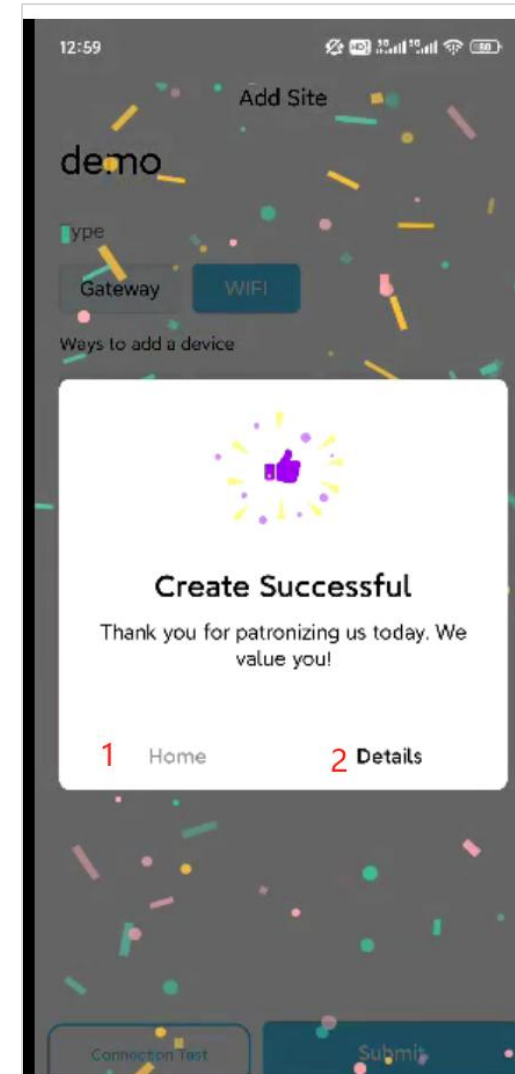
Tabbar

• As shown in the figure, they are the site page, quick tools page, and settings

page in sequence.

The selected item will be displayed in green.

User Interface

Site

• The site page displays the user's site list

instead of the device list

The picture on the left shows the data status

of the site list.

- In Android system, if you long press each ITEM,

Edit & Delete will appear.

- In IOS system, if you swipe left on each ITEM,

Edit & Delete will appear.

- Click Edit to edit the site information.

Please refer to creating a site for operation

- Click Delete to delete the site

User Interface
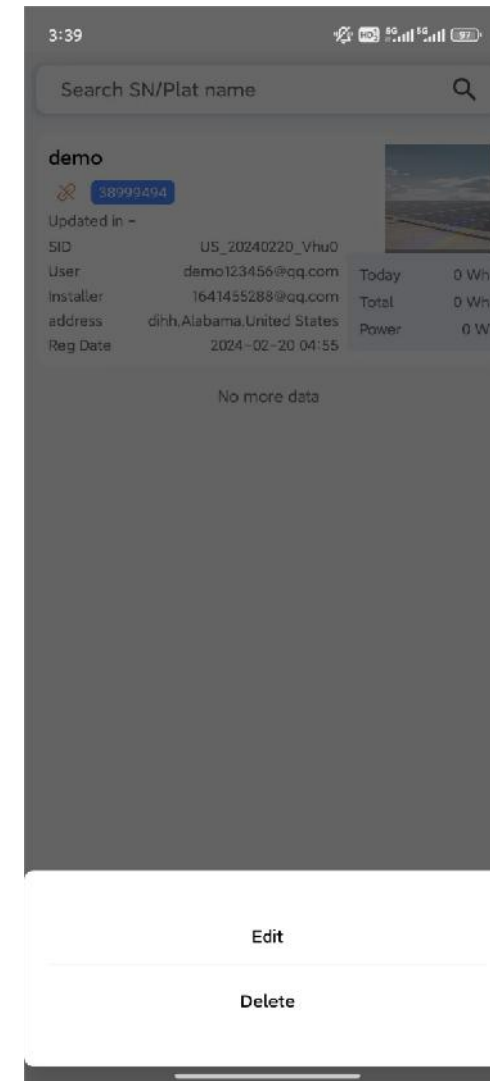
Site

- The site page displays the user's site list

  The picture shows the site list with no data status

  - Click ADD SITE to jump to the page for creating a site

User Interface
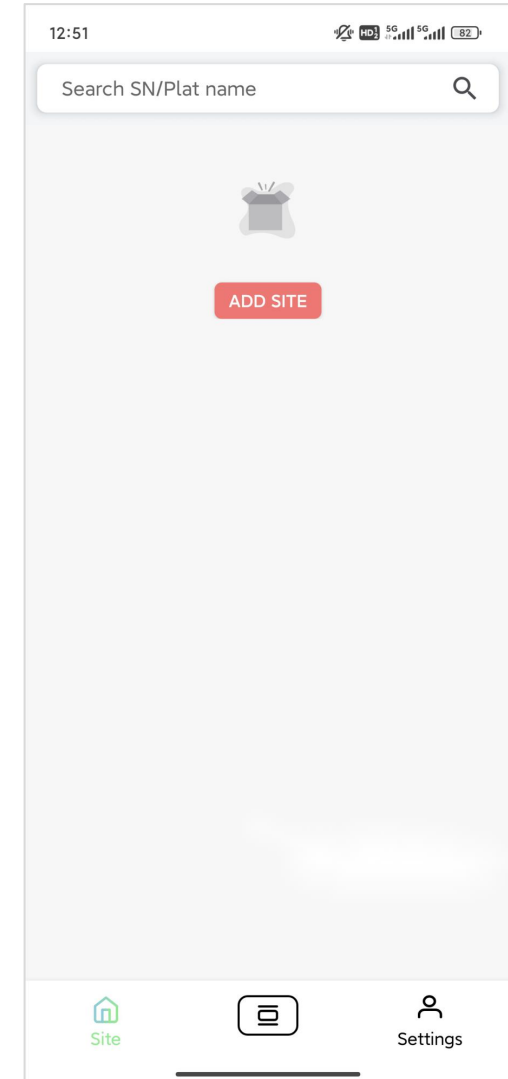
Quick tool

• Click the middle button of the tabbar to display the quick tools

• Click 1 to jump to the page for creating a site

• Click 2 to jump to the add device page

• Click 3 to jump to the quick WiFi configuration page

• Click 4 to jump to AP mode

• Click 5 to jump to AT mode

• Click 6 to close the current page

User Interface

Quick tool (instructions for P29)

• Click 2 to jump to the add device page

  The picture on the right shows the add device page

  - 1 prompts to select a site

  - Click 2 to jump to the site selection page

User Interface
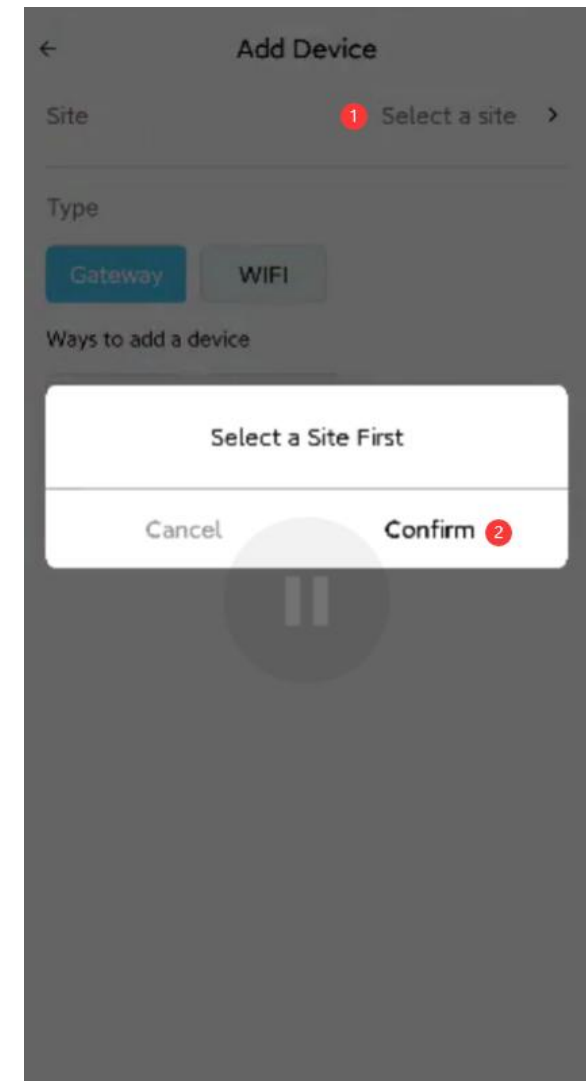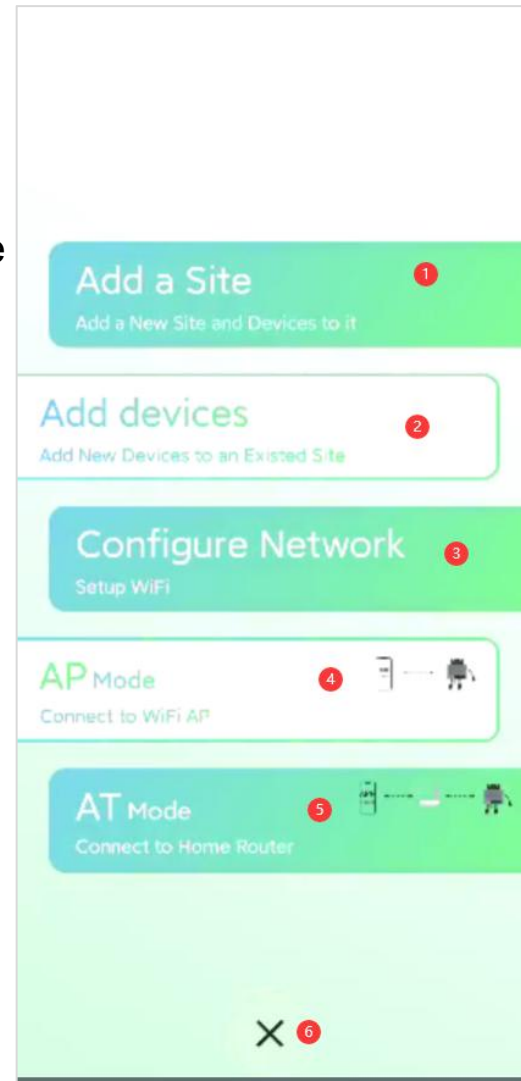
Add device (continued from previous page)

• Click 1 to search for sites

• Click 2 to select the site. After selection, the gray icon on the left will turn green

• Click 3 to confirm your selection
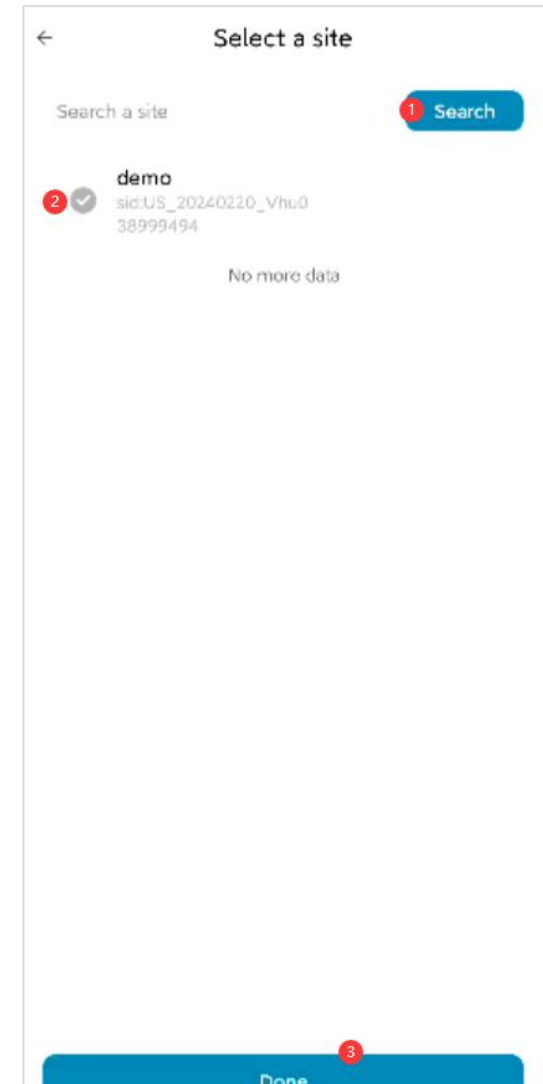
Add device (continued from previous page)

• 1 will display the name of the selected site

  Click again can select the site again

• 2 will display the added device types

  - If any devices have been added to the site before, the type here must be consistent

with the previous devices, so the other option will be closed

• Devices that have been bound to the previous power station are displayed in 3

places

• For the subsequent process, please refer to the second step of 'creat a site'

User Interface
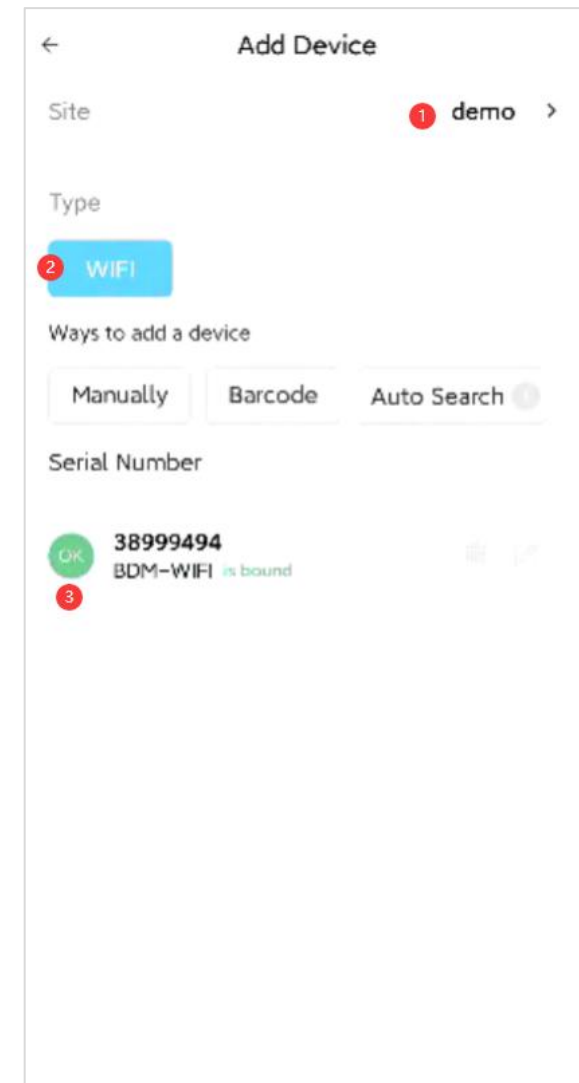
Quick tool (instructions for P29)

• Click 3 to jump to the quick WiFi configuration page
The picture on the right shows the prompt page
that introduces how to put the device into WiFi
configuration mode

User Interface
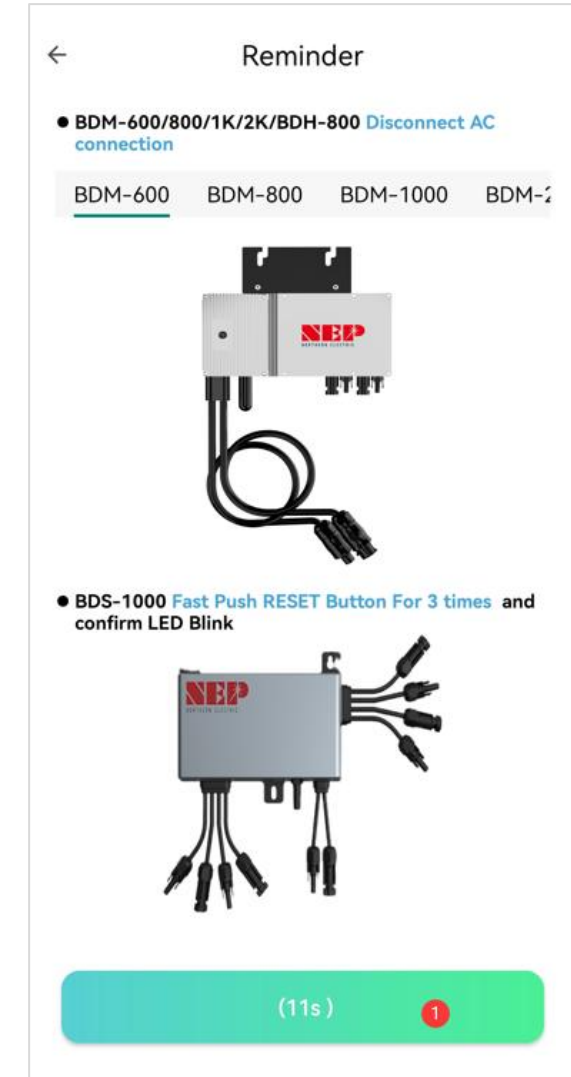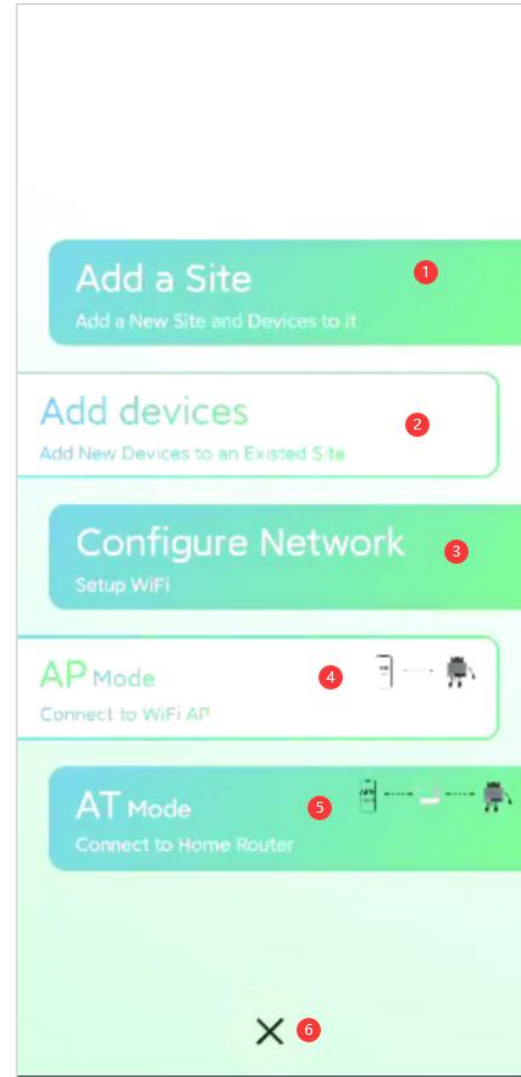
Quick WiFi configuration (continued from previous page)

- Click 1 to enter the WIFI account

- Click 2 to enter the WIFI password

- Click 3 to select nearby WiFi

- Click 4 to proceed to the next step

User Interface
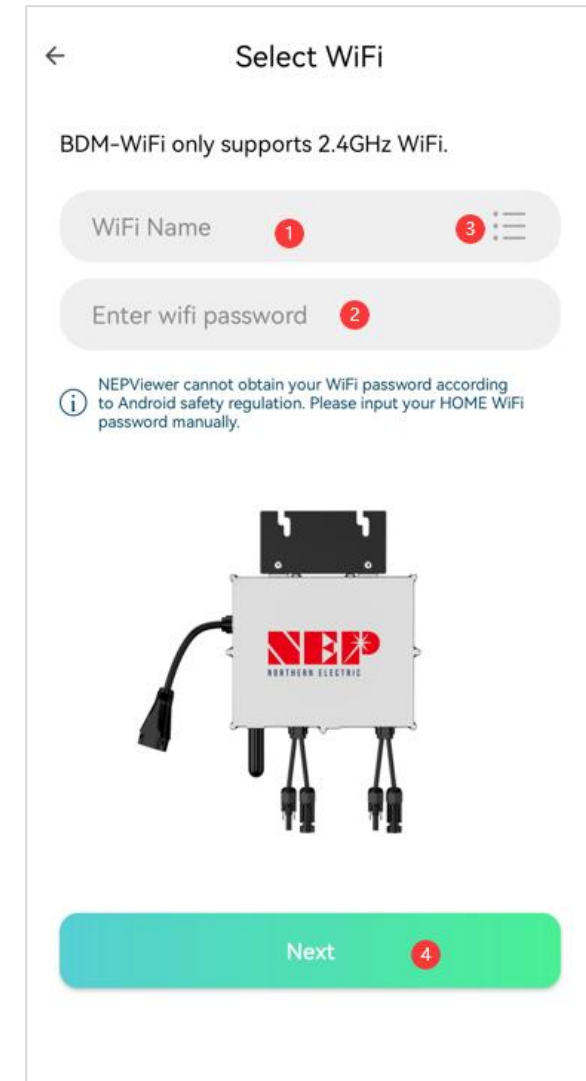
Quick WiFi configuration (continued from previous page)

• Select the devices that require network distribution

• Clicking 1 will refresh the automatic search for nearby devices

• Click 2 to add devices manually
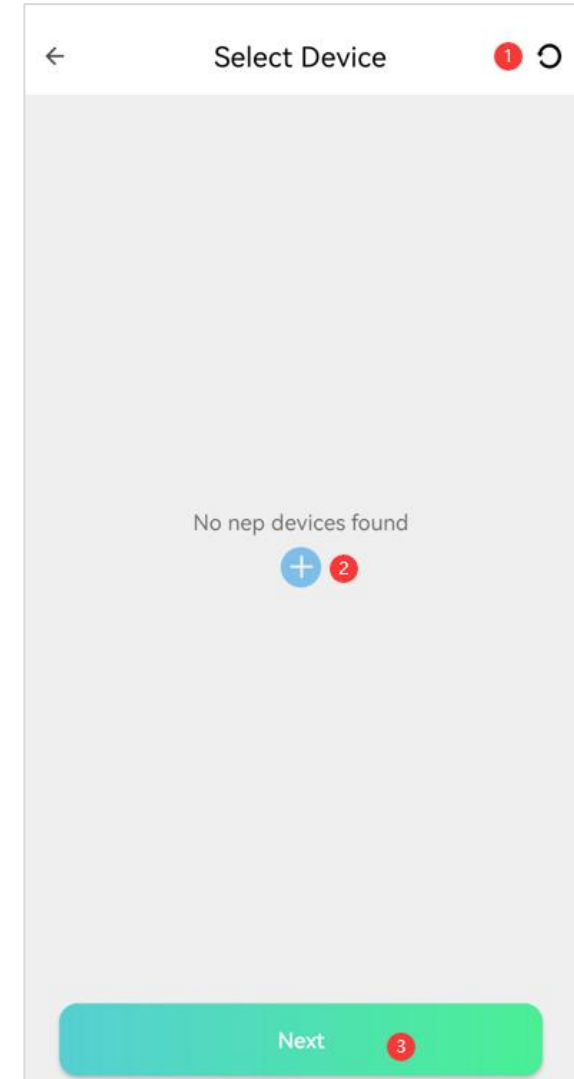
Quick WiFi configuration (continued from previous page)

- Add devices manually

- Click 1 to enter the system page and select
  the device to be connected

- Select the device WiFi you want to connect to
  and return to the APP
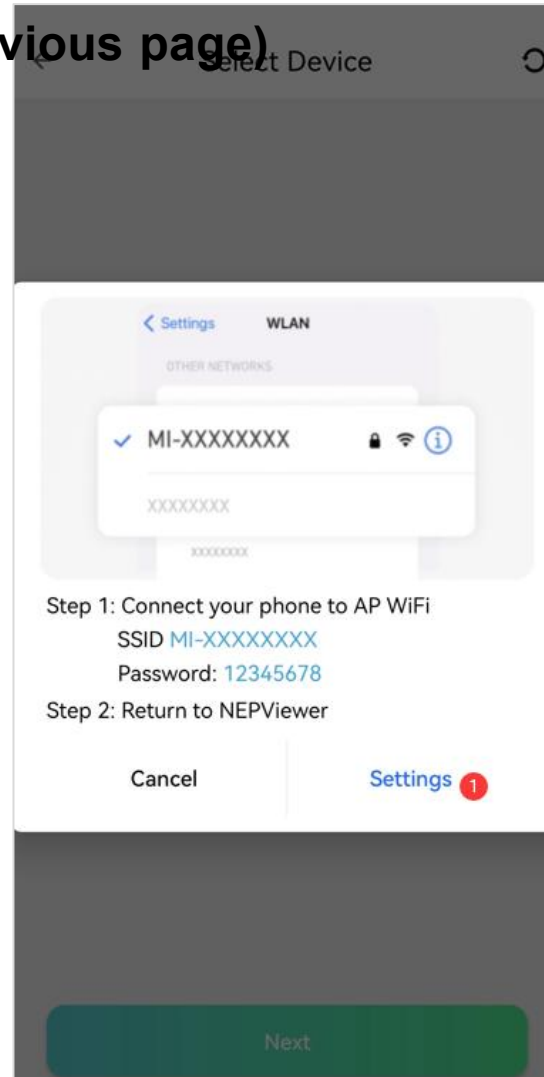
Quick WiFi configuration (continued from previous page)

• Return to APP

• Click 1 to start network configuration

The picture on the right shows the configuration

result

- If 1 is displayed as blue √, it means the

configuration is successful.

- Click 2 to test connectivity

Configuration

| MI-F0C0004C | BDNZ-WIFI | 🕐 |

Configuration 1

Configuration

| MI-F0C0004C | BDNZ-WIFI | ✓ 1 |

Done 3   TEST 2

User Interface
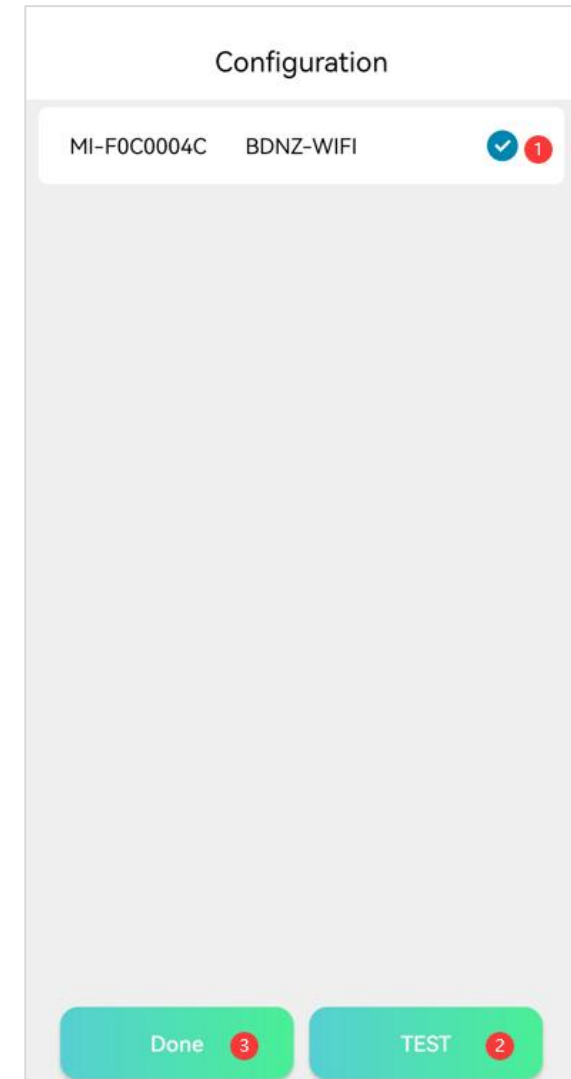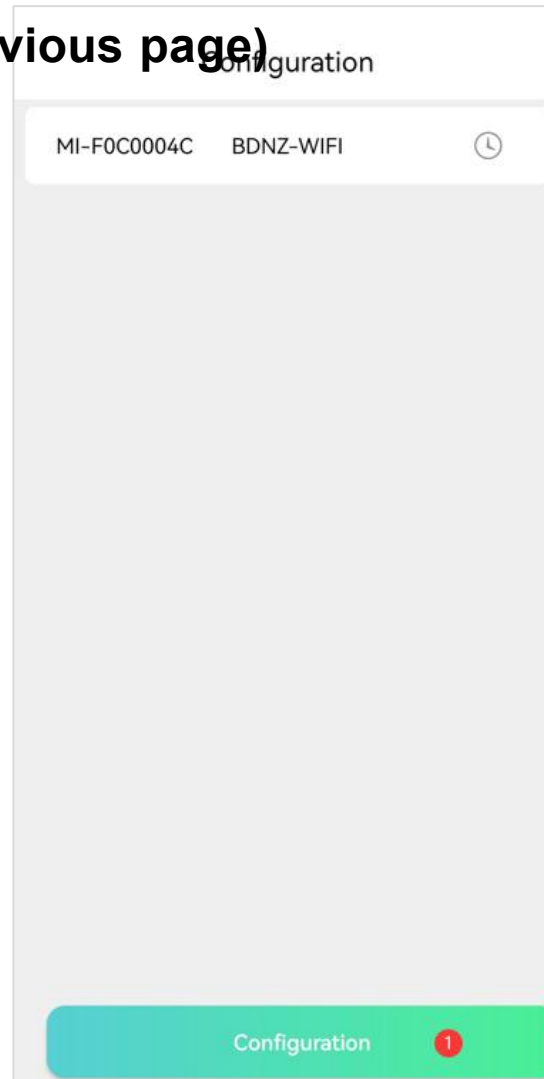
Quick WiFi configuration (continued from previous page)

- Connectivity test results

- A check mark on the left of 1 indicates success

- 2 Display device IP

- Click 3 to finish and exit the page

- Click 4 to retest

User Interface
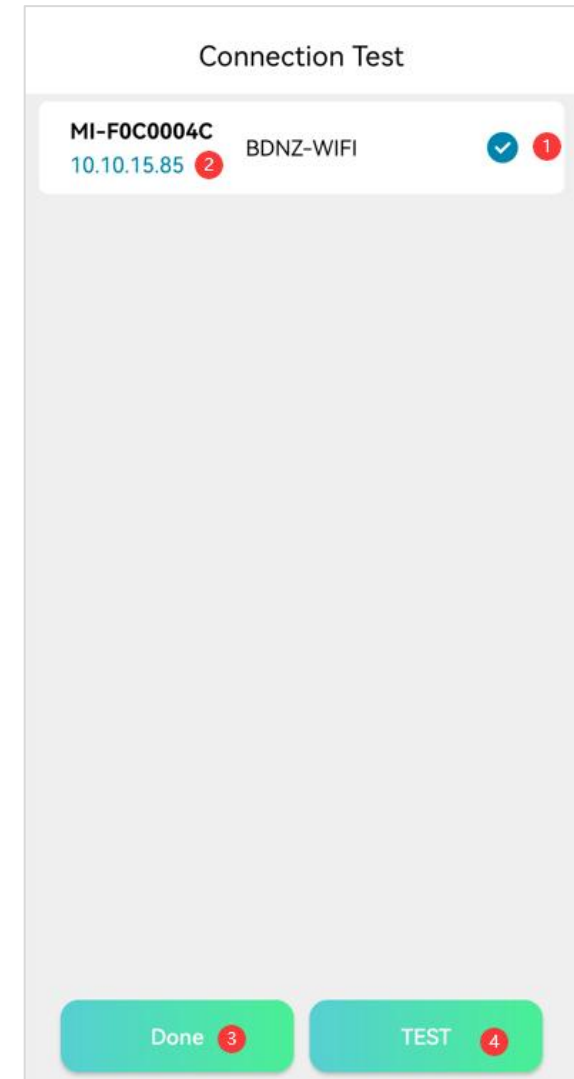
AP mode (instructions for P29)

- Click 4 to jump to AP mode

  You need to manually select the device you

  want to connect to on the system WiFi page

- Click 1 to open system WiFi settings
- Select the device WiFi you want to connect to
- Return to APP

User Interface
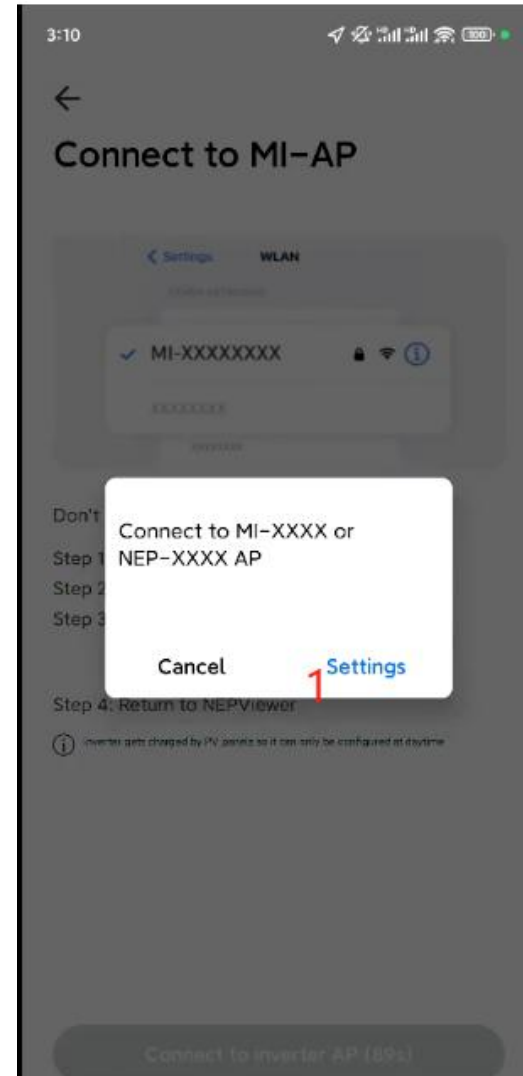
AP Mode (continued from previous page)

- Click 1 to enter the parameter setting page
- Different SNs have different setting parameters. The picture on the right is for reference only.

- Parameter settings will be explained in detail in the next chapter

Connect to MI-AP

Settings   WLAN

OTHER NETWORKS

✓ MI-XXXXXXXX

XXXXXXXX

XXXXXXXX

Don't plug AC Cable into socket

Step 1: Connect PV panel
Step 2: Wait for 90 seconds
Step 3: Connect your mobile to Inverter AP
        SSID MI-XXXXXXXX
        Password: 12345678
Step 4: Return to NEPViewer

ⓘ Inverter gets charged by PV panels so it can only be configured at daytime

Connect to inverter AP — 1

SN: 33DFFFFF
Local Functions

BDM Output Power Adjust

Update WiFi parameters

User Interface

AT Mode (instructions for P29)

• Click 5 to jump to AT mode

  Automatically search for nearby devices

• Click the corresponding SN to set parameters

• Different SNs have different setting parameters.

  The picture on the right is for reference only.

User Interface
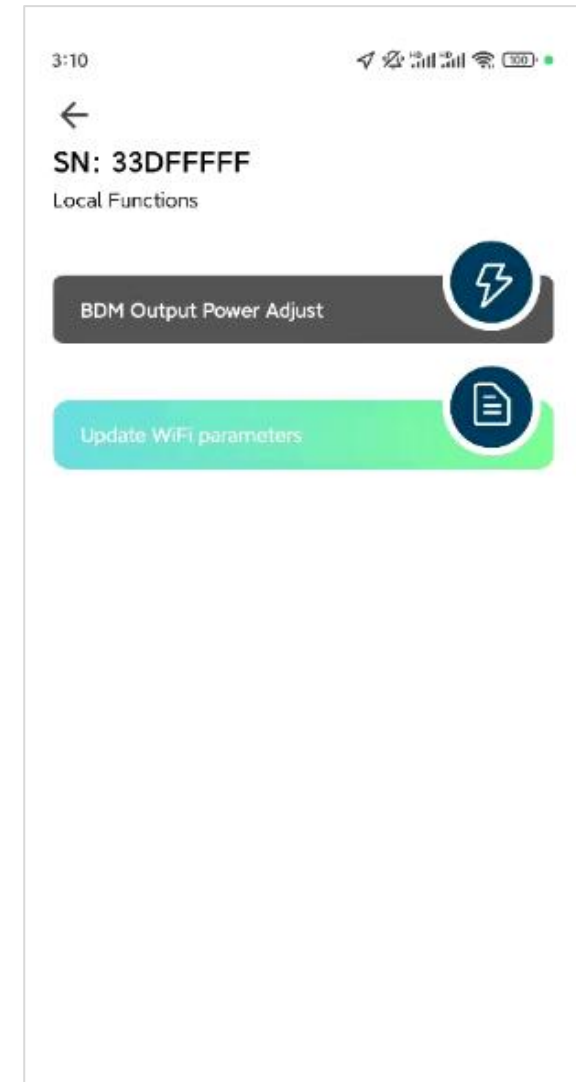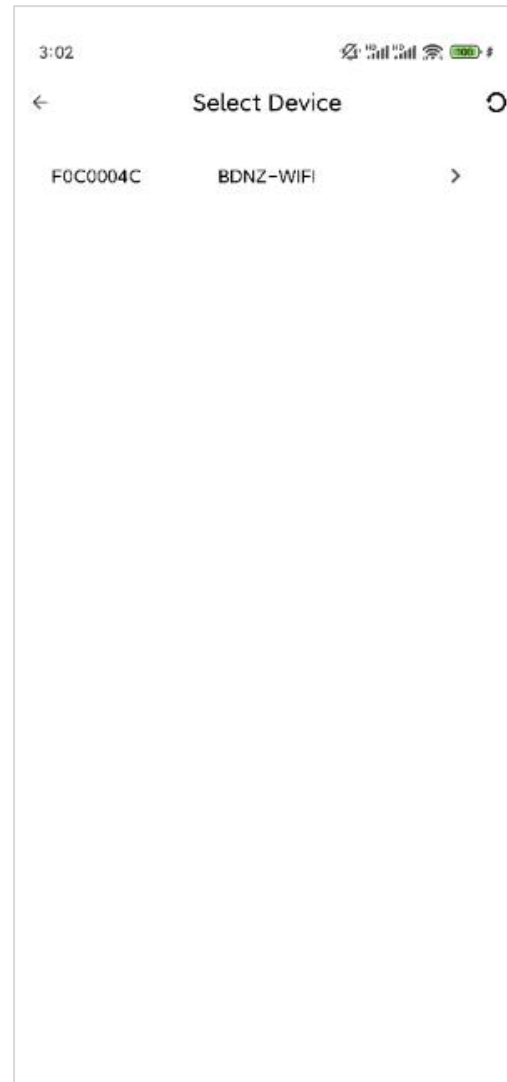
Setting

• Click 1 to jump to the inverter setting page. please refer to P39-41 for operation

• Click 2 to jump to the add device page, please refer to P30-32 for operation

• Click 3 to jump to personal information settings

User Interface
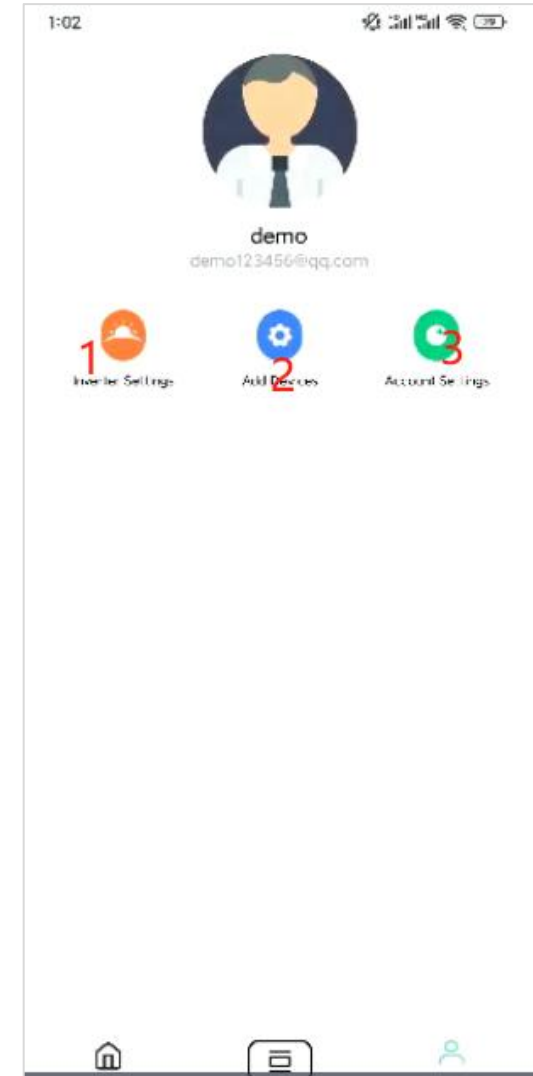
Setting

• Personal information settings

• Click 1 Sign Out will log out and jump to the login page

• Click 2 will log out the current account and no longer retain any data, please pay attention to the operation

• Click 3/4/5/6 to jump to the personal information setting page

• Click 7 to switch languages

User Interface
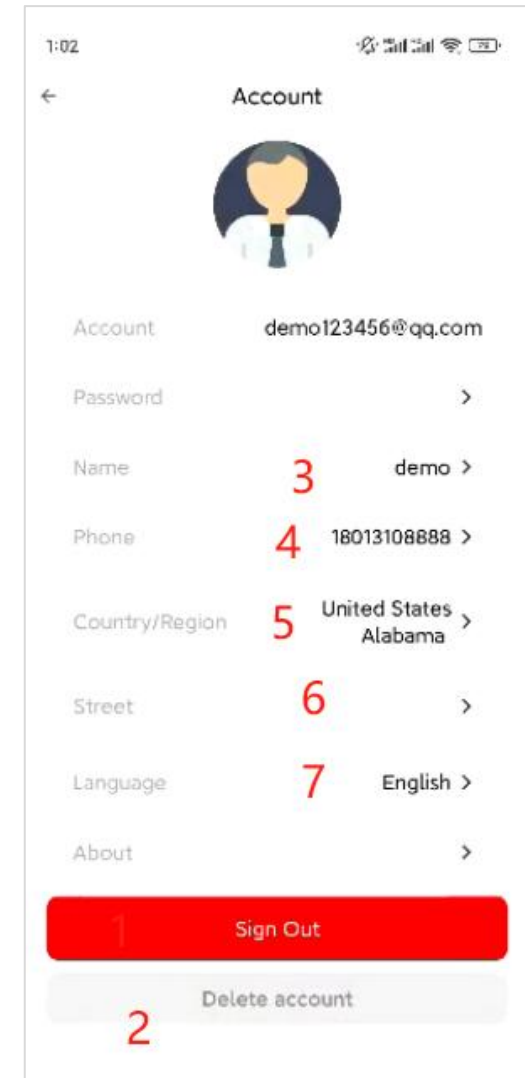
Parameter setting

- BDM Output Power Adjust
- The picture below shows the function button
- The picture on the right shows the settings page
  (same for Android & IOS)

BDM Output Power Adjust

BDM-800
SN:33CFFFFA

Settings

Current device power 0 W

600

Save

User Interface
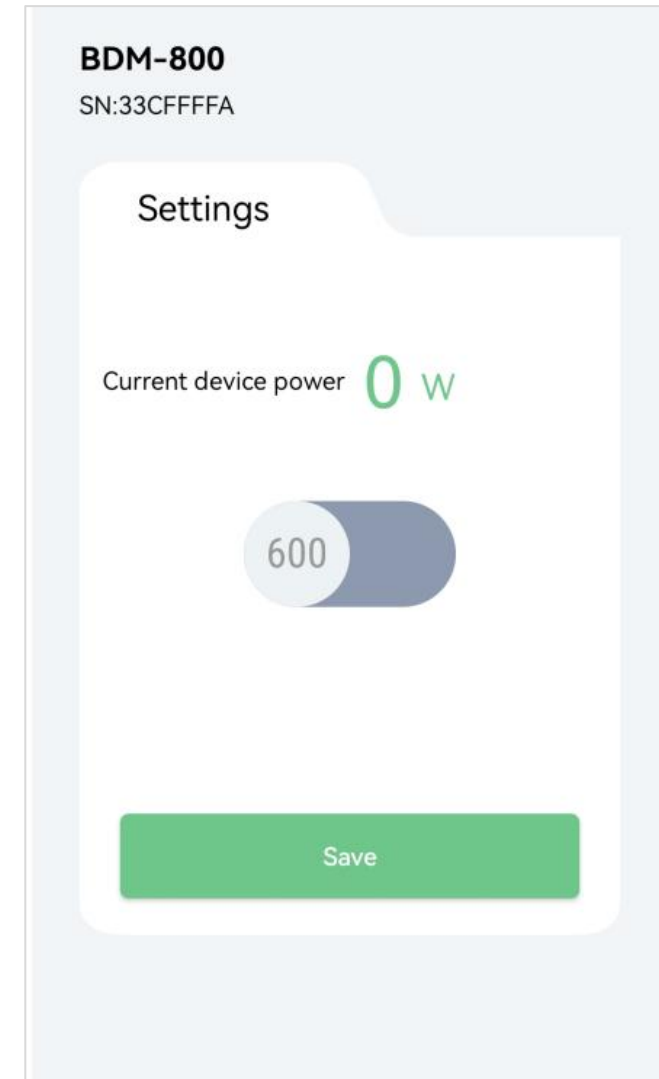
Parameter setting

• View / Set Parameter

• The picture below shows the function button

• The picture on the right shows the settings page

  (same for Android & IOS)

User Interface

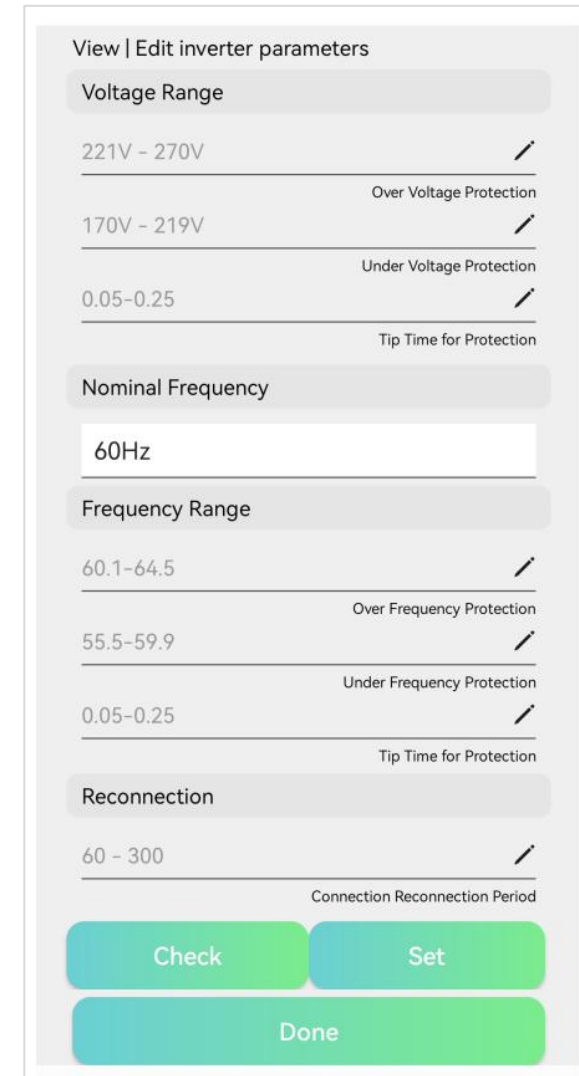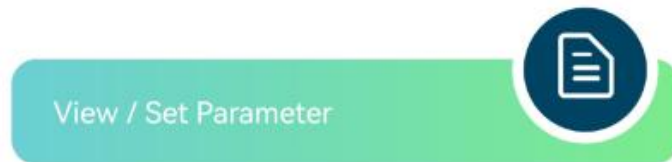**Parameter setting**

- Power Control Limit
- The picture below shows the function button
- The picture on the right shows the settings page

  (same for Android & IOS)

Power Control Limit

BDZN-WIFI
SN:F0C0004C

Settings

Power Control Limit: 640 W

0   800

Save

User Interface

Parameter setting

• Upgrade

• The picture below shows the function button

• The picture on the right shows the Android settings

• IOS does not have this function yet

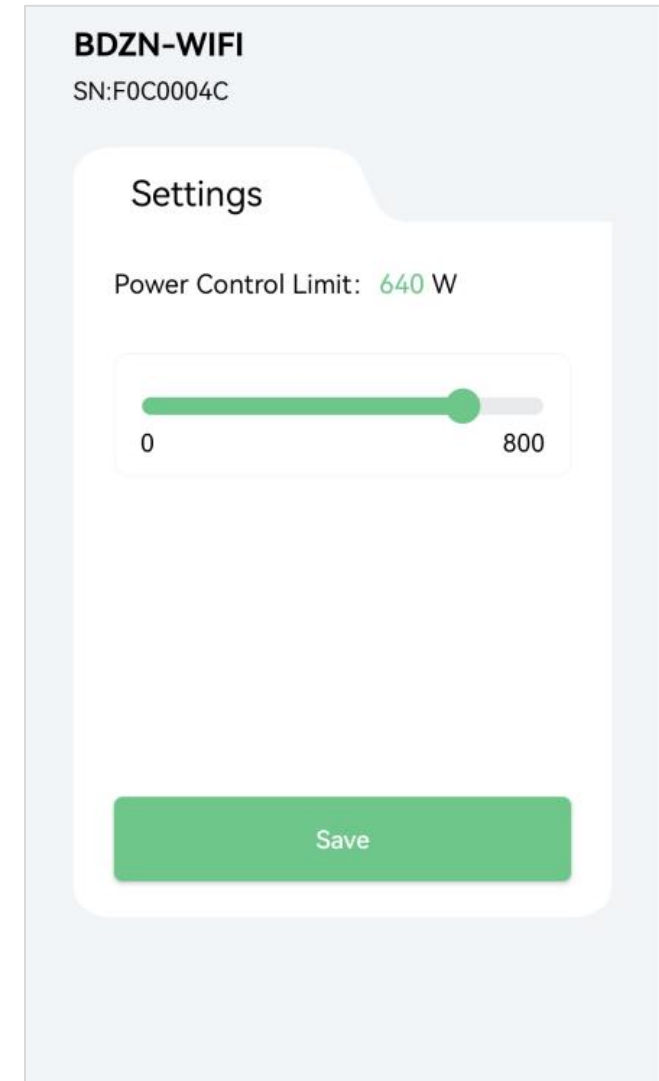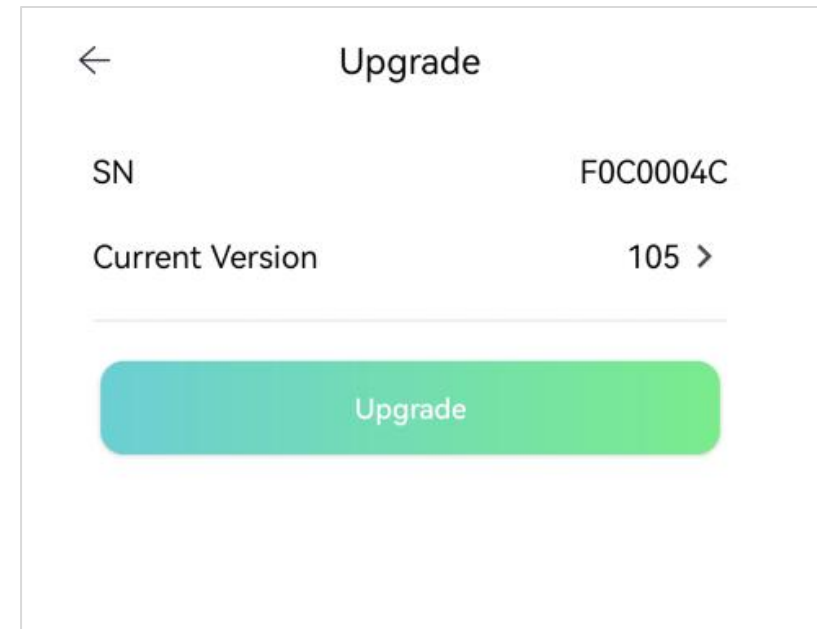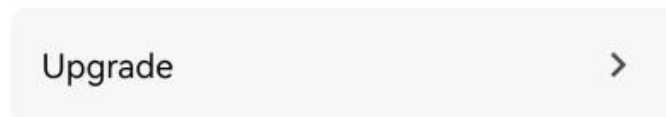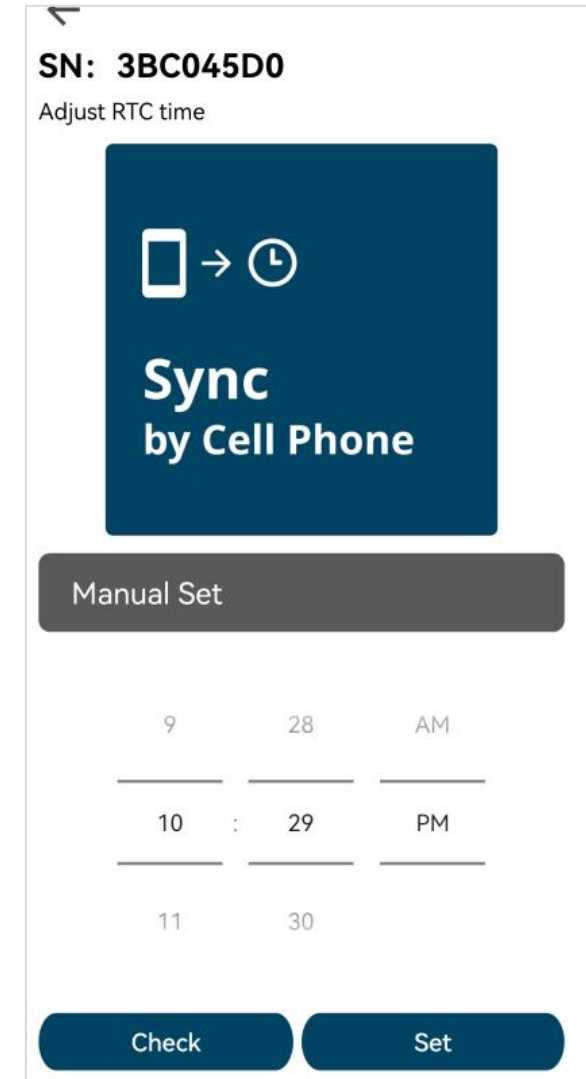| ←	Upgrade	
SN		F0C0004C
Current Version		105 >
	Upgrade	

Upgrade   >

User Interface

Parameter setting

• Adjust RTC time

• The picture below shows the function button

• The picture on the right shows the settings page

   (same for Android & IOS)

SN: 3BC045D0

Adjust RTC time

Sync by Cell Phone

Manual Set

9	28	AM
10 :	29	PM
11	30	

Check   Set

User Interface

Parameter setting

• Inverter Scheduling

• The picture below shows the function button

• The picture on the right shows the settings page

  (same for Android & IOS)