

BDH-800 APP User Guide

Northern Electric Power Co., Ltd.

Date:8/2023
Revision: v.1.0



Monitoring Configuration

- 1.1.WiFi configuration
- 1.2.Add inverter to NEPViewer
- 1.3.BDH-800 configuration

User Interface

- 2.1.Login
- 2.2.PV List
 - 2.2.1.PV List-Status
 - 2.2.2.PV List-Today
 - 2.2.3.PV List-Week
 - 2.2.4.PV List-Month
 - 2.2.5.PV List-Year
- 2.3.Site
- 2.4.User
- 2.5.Logout

1. Monitoring Configuration

1.1. WiFi configuration

NOTICE

DO NOT CONNECT AC

In the state of DC connected, AC disconnected, AP mode of the microinverter will be activated.
If AC connected by accident, please unplug AC, DC to wait for memory clearance of the microinverter.

NOTICE

Find the AP Number

An eight-digit string can be found under the barcode on the sticker.
This is the **Gateway S/N**



Step 1 Get and Open NEPViewer

- Obtain NEPViewer App



- Open NEPViewer

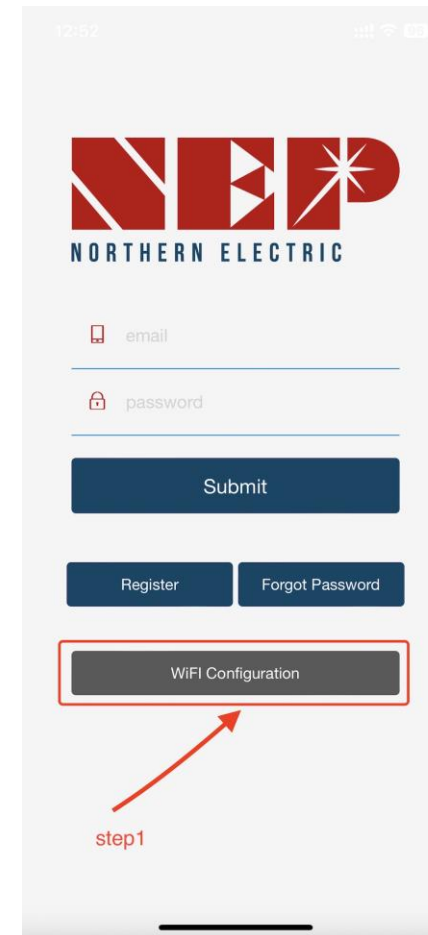
Search for NEPViewer in App Store or Google Play

*Android users can visit user.nepviewer.com for latest version APK file



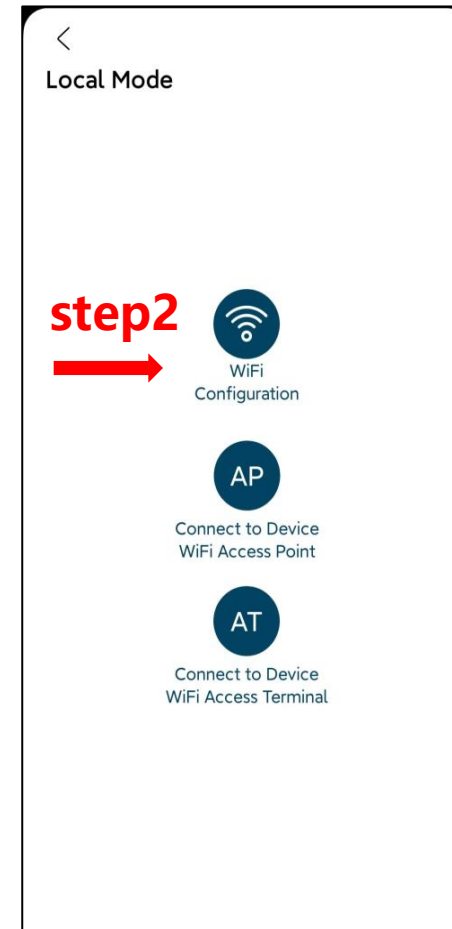
Step 2 NEPViewer WiFi Configuration

- Select the distribution network entrance



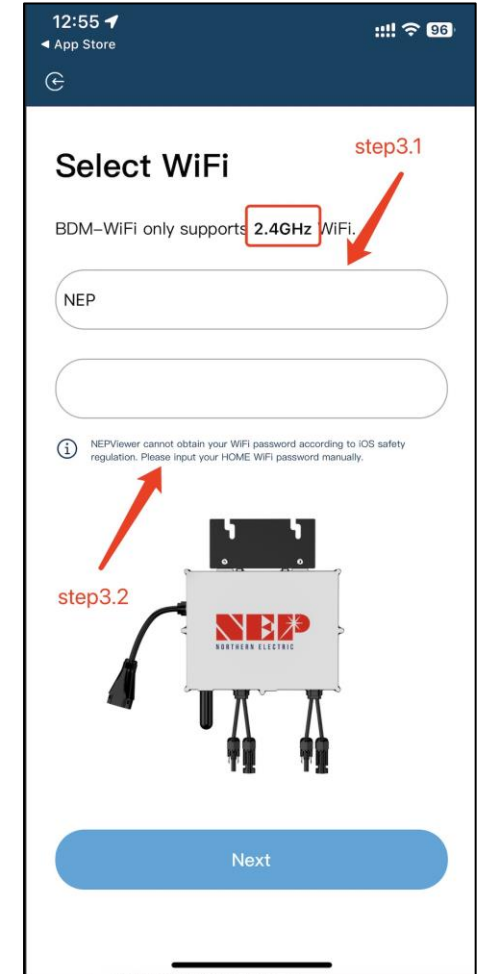
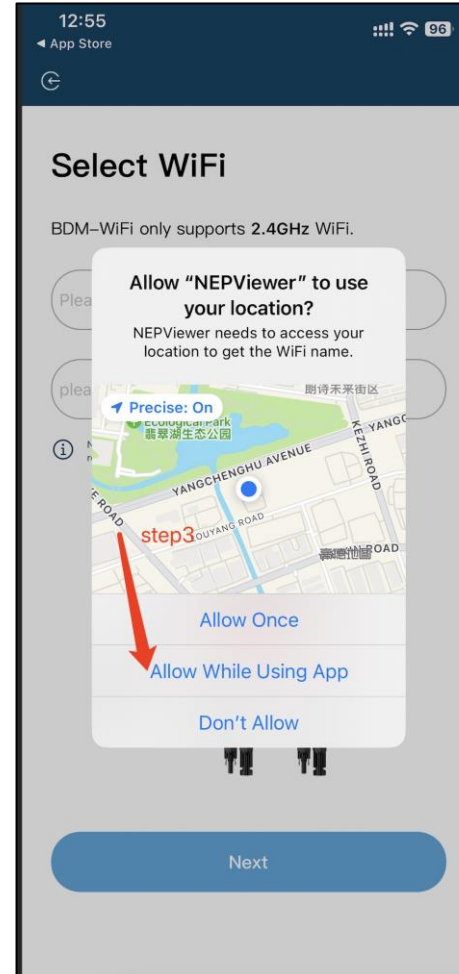
Step 3 NEPViewer WiFi Configuration

- Click to enter the distribution network



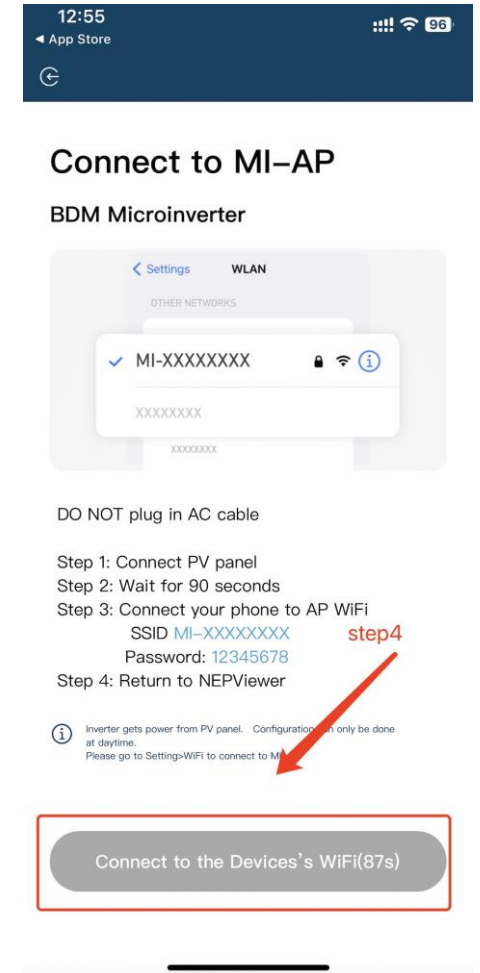
Step 3 NEPViewer WiFi Configuration

- Click **Allow** to obtain geographic location permission (only pops up when installing the app for the first time)
- Please enter the home WiFi name (the current connected WiFi will be obtained by default)
- Please enter the password of your home wifi (manual input is required)



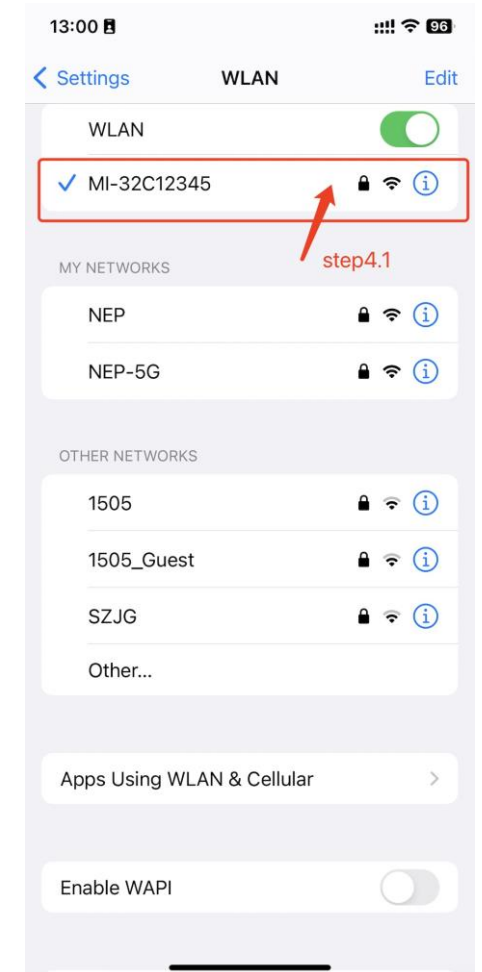
Step 3 NEPViewer WiFi Configuration

- Read the corresponding steps carefully within 90 seconds of the countdown and check that **only DC is plugged in**



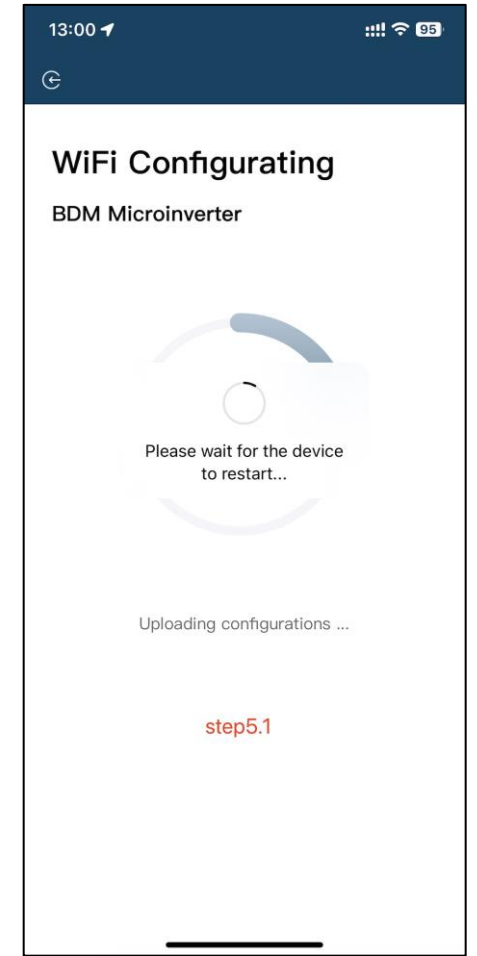
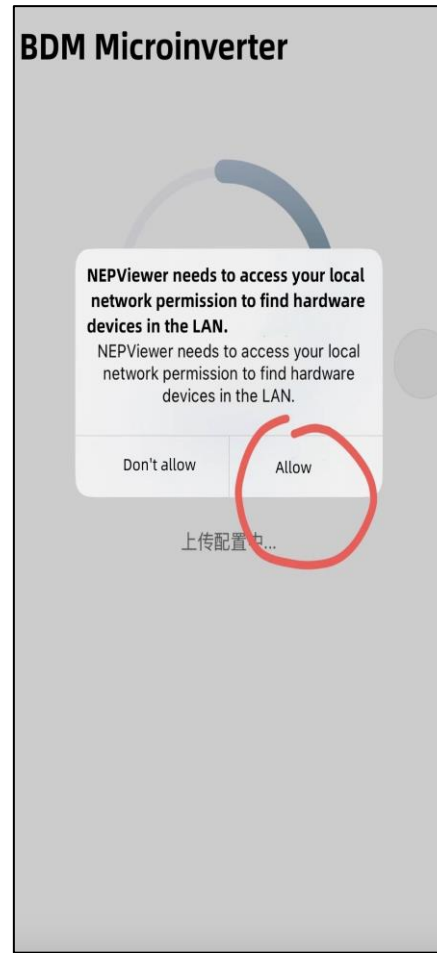
Step 3 NEPViewer WiFi Configuration

- After the countdown ends **(the button turns blue)**, you can jump to the WLAN setting page to connect to the hotspot SSID: MI-XXXXXXXX
- Password: 12345678
- **Return** to NEPViewer app



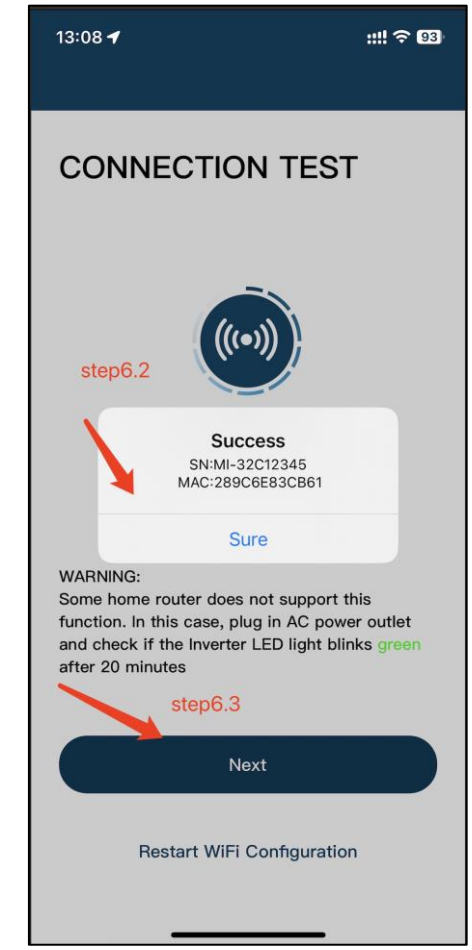
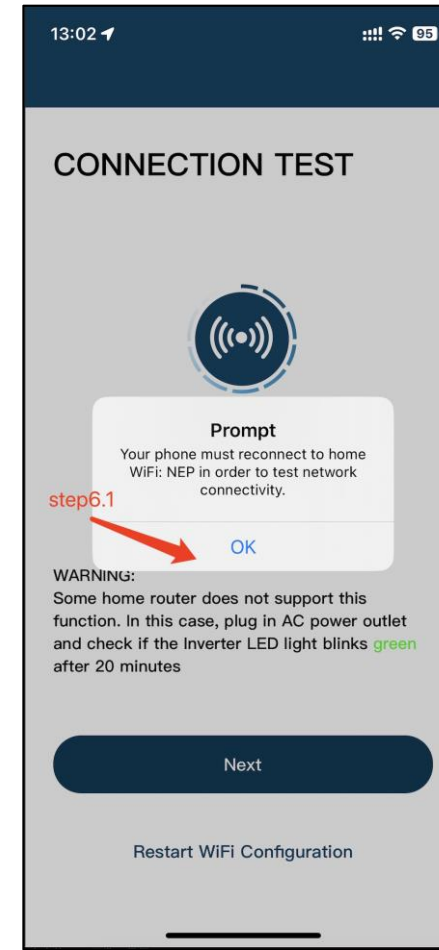
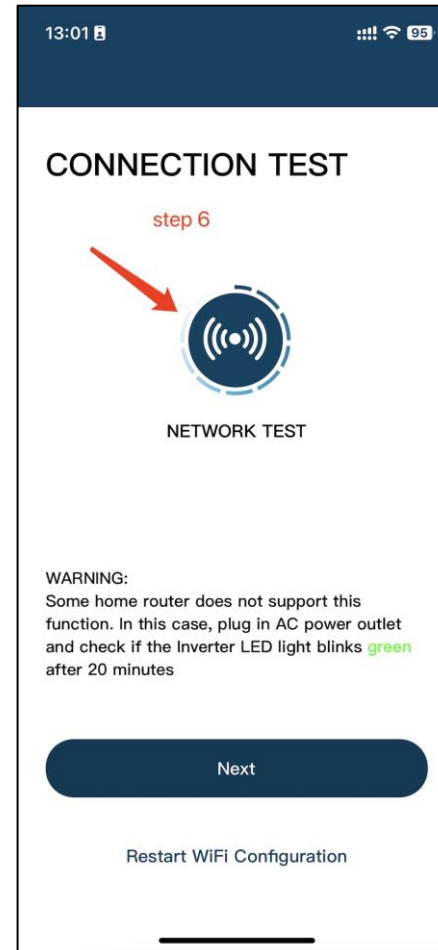
Step 3 NEPViewer WiFi Configuration

- **Allow** connection to local network (It will pop up only when the app is installed for the **first** time,)
- check this permission you can go to phone settings - NEPViewer - **open** local network
- Wait for **50s** for the device to complete configuration and restart



Step 3 NEPViewer WiFi Configuration

- **Click the button** to check the connectivity (provided that the current WiFi is connected to the **home WiFi**)
- Check that the current WiFi is connected to the home **WiFi (this step may not appear)**
- Click **Sure**, click **Next**, the WiFi configuration has been completed at this time.



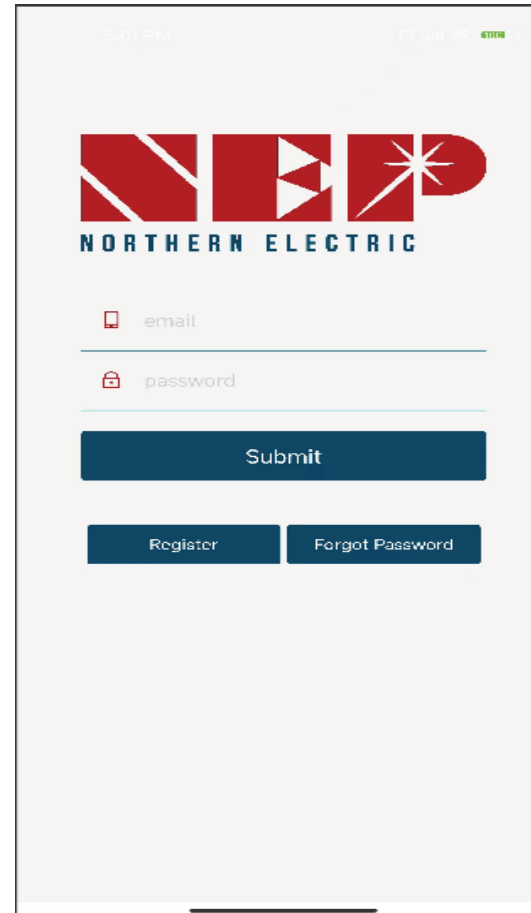
1. Monitoring Configuration

1.2. Add inverter to NEPViewer

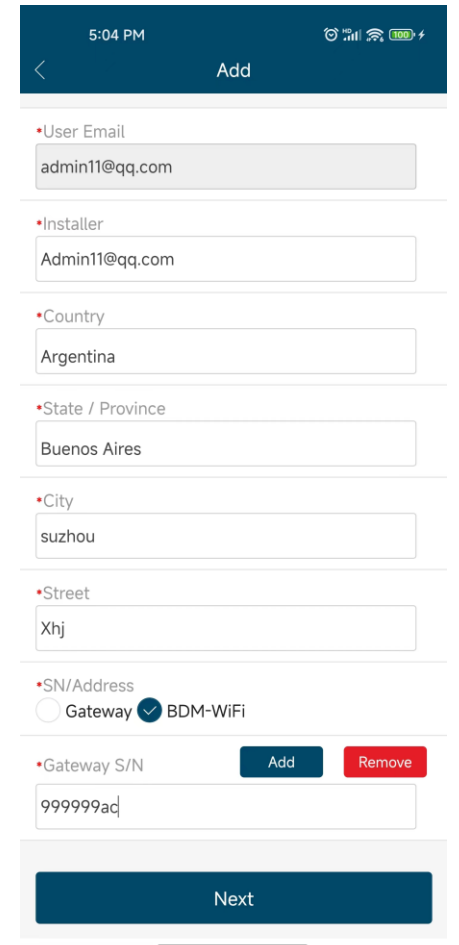
- **Login or Register**

*(You can see **User Interface -Login** in detail)

- **Click here to create a new site**



- LoginWiFi, can be added in the form of GATEWAY CODE
- On label of the inverter, a serial number can be found under the bar code, in form of:
XXXXX-XXXXXXXX-X
- This EIGHT-digit-code is the GATEWAY CODE
*(Only lowercase letters are supported)
- Fill in other detail info about your site and click on Next



5:04 PM Add

•User Email
admin11@qq.com

•Installer
Admin11@qq.com

•Country
Argentina

•State / Province
Buenos Aires

•City
suzhou

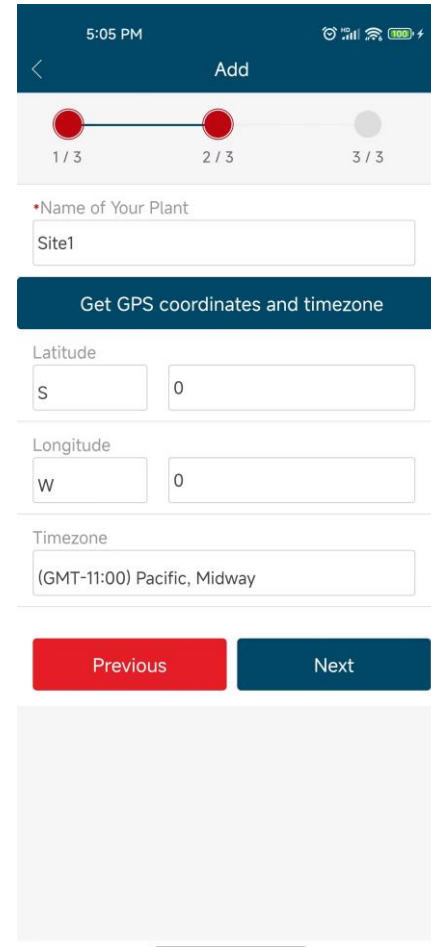
•Street
Xhj

•SN/Address
 Gateway BDM-WiFi

•Gateway S/N
999999ac

Next

- Give a name to your site, and fill in GeoLocation click on Next



5:05 PM Add

1 / 3 2 / 3 3 / 3

*Name of Your Plant
Site1

Get GPS coordinates and timezone

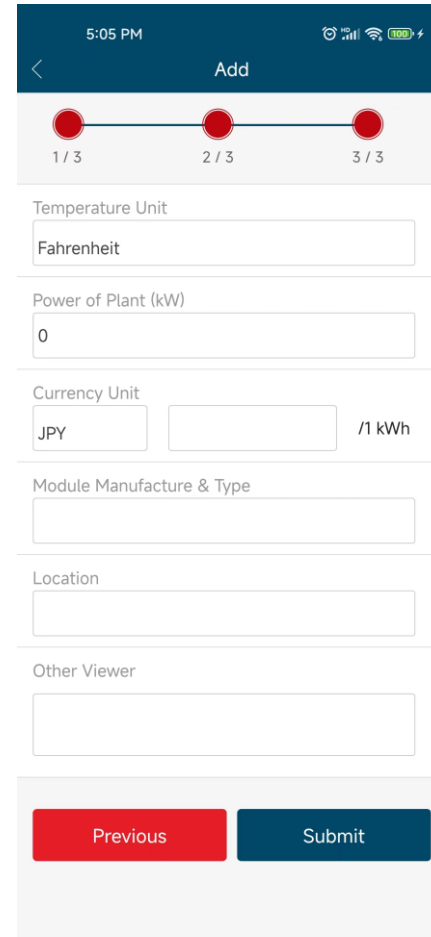
Latitude
S 0

Longitude
W 0

Timezone
(GMT-11:00) Pacific, Midway

Previous Next

- Fill in preferences



5:05 PM Add

1 / 3 2 / 3 3 / 3

Temperature Unit
Fahrenheit

Power of Plant (kW)
0

Currency Unit
JPY / kWh

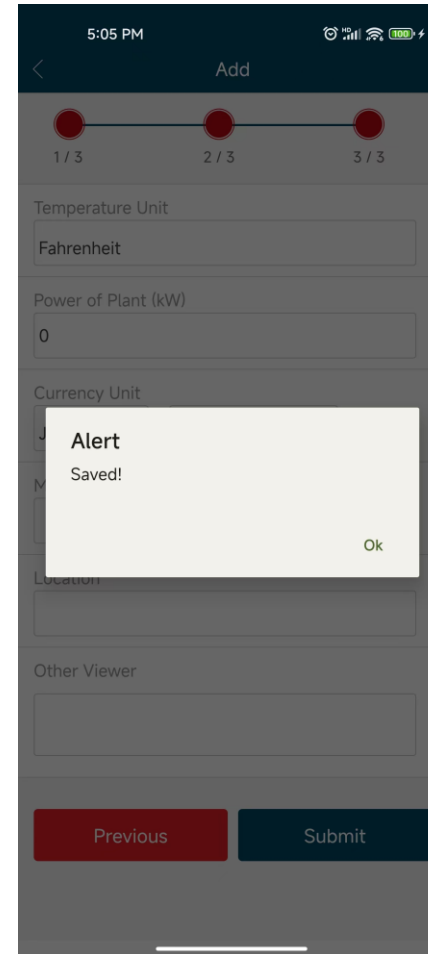
Module Manufacture & Type

Location

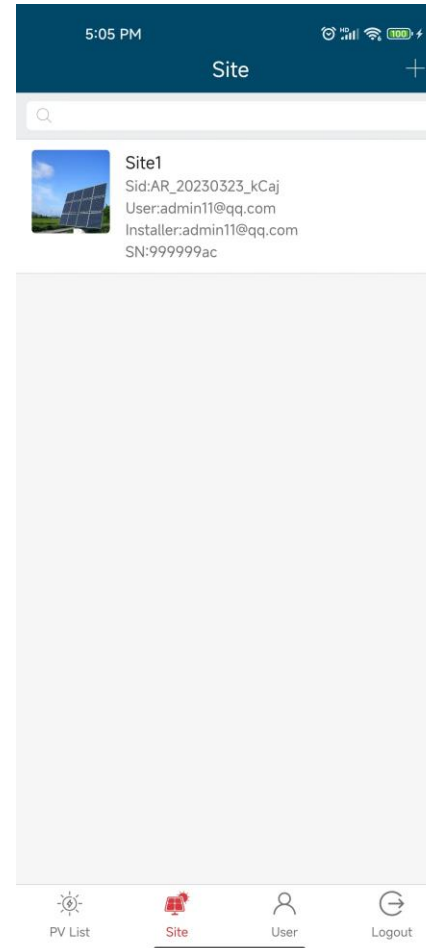
Other Viewer

Previous Submit

- Site added when this dialog shown



- It's all set! Enjoy your PV freedom!

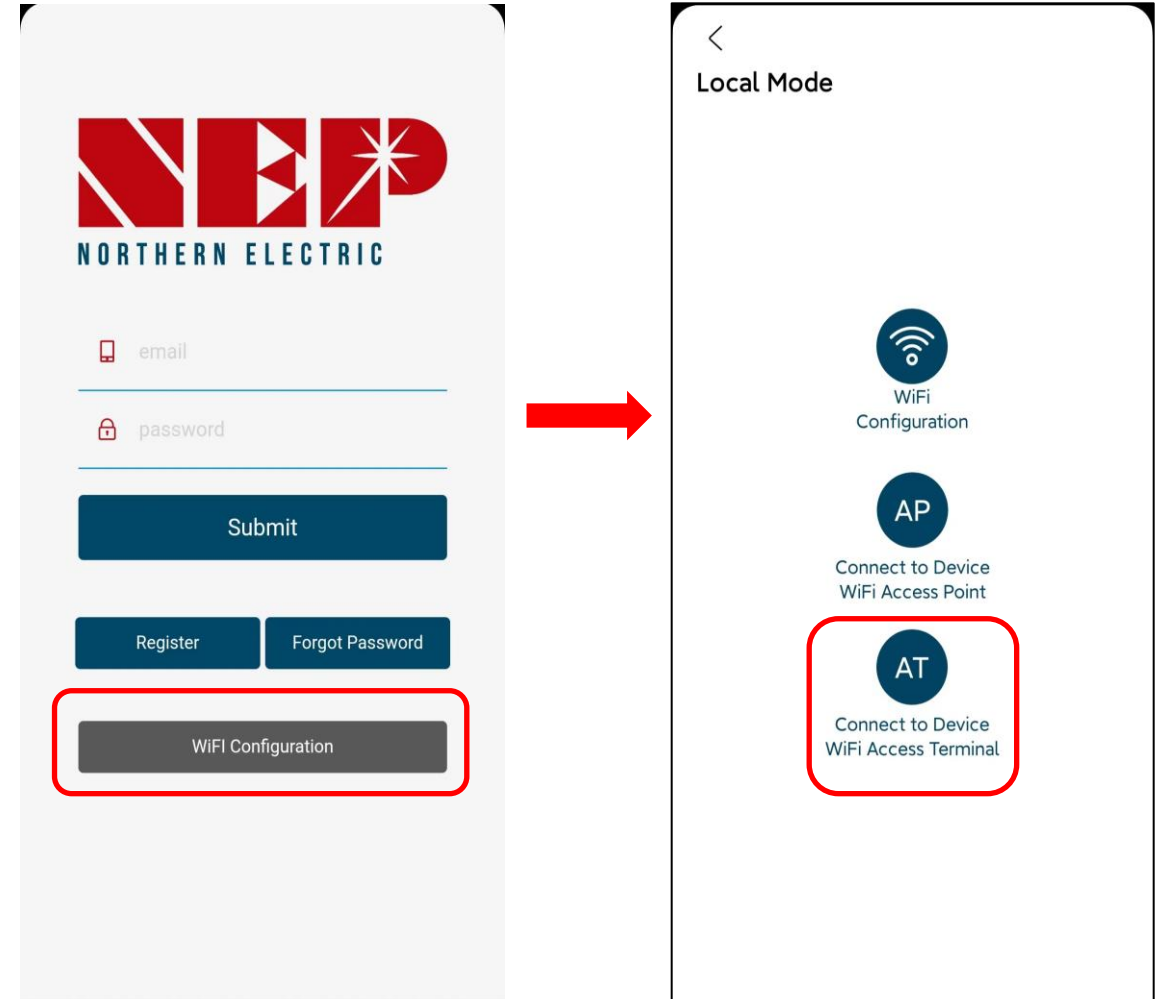


1. Monitoring Configuration

1.3. BDH-800 configuration

- Click on the button **“WiFi Configuration”** and you'll see it in detail
- In detail, click on the icon **AT** you will enter the inverter configuration

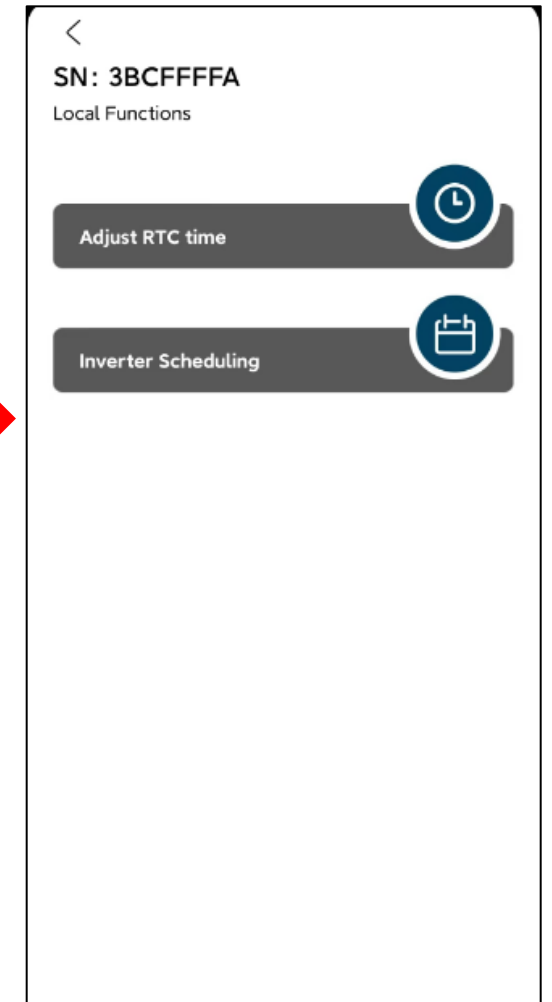
*(AT intended for inverter configuration in storage system now, such as BDH-800, BDS-1000)



1. Monitoring Configuration

1.3. BDH-800 configuration

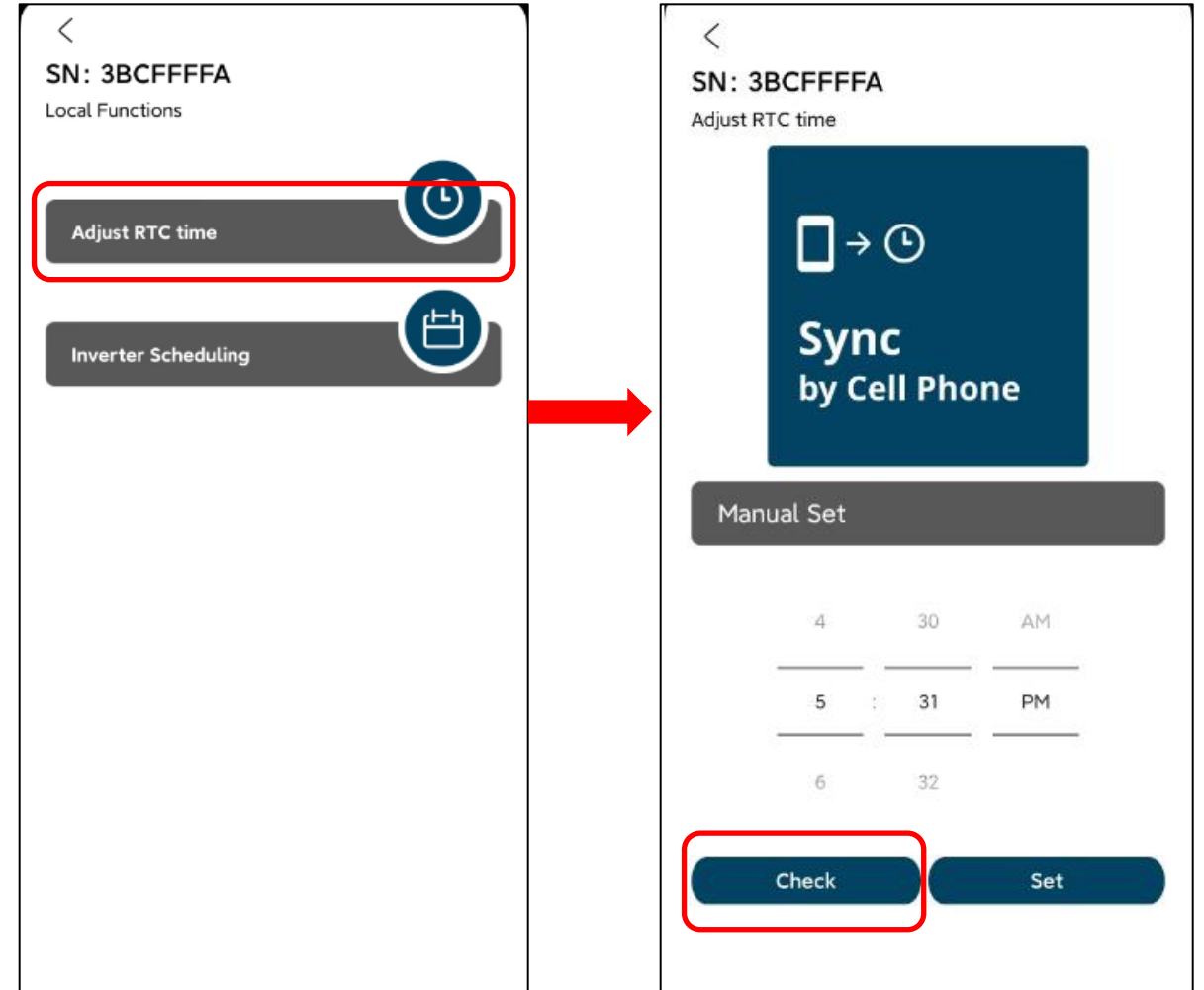
- Click on the invert model **“BDH-800”** and you'll see it in detail



1. Monitoring Configuration

1.3. BDH-800 configuration

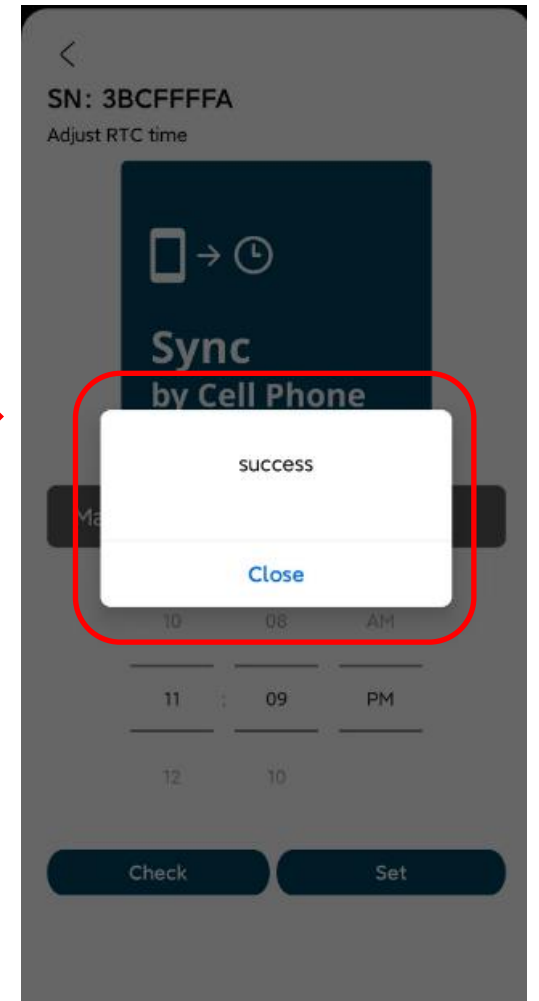
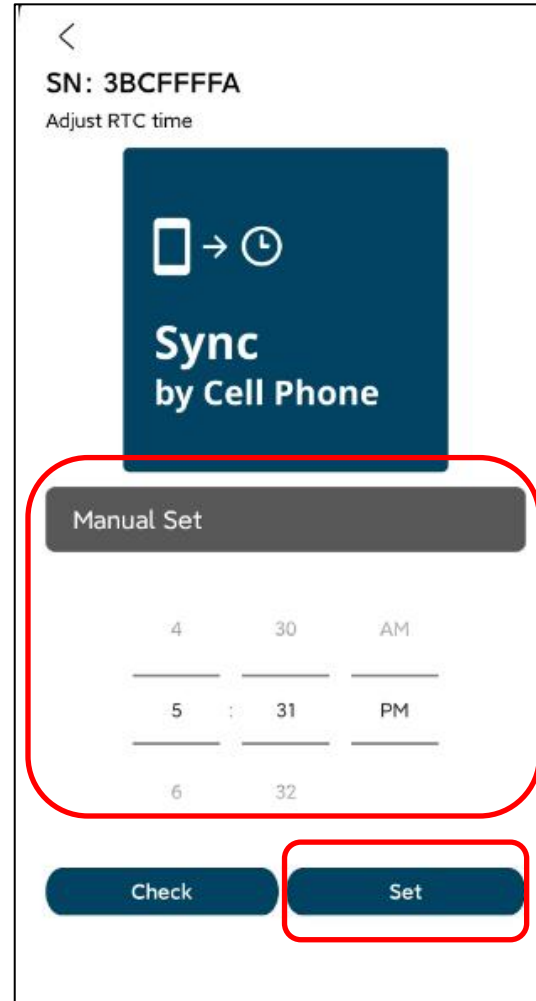
- In detail, click on **text Adjust RTC time** you will enter the inverter time sync configuration
- Click **Check**, you can check if inverter has the same time as cell phone.



1. Monitoring Configuration

1.3. BDH-800 configuration

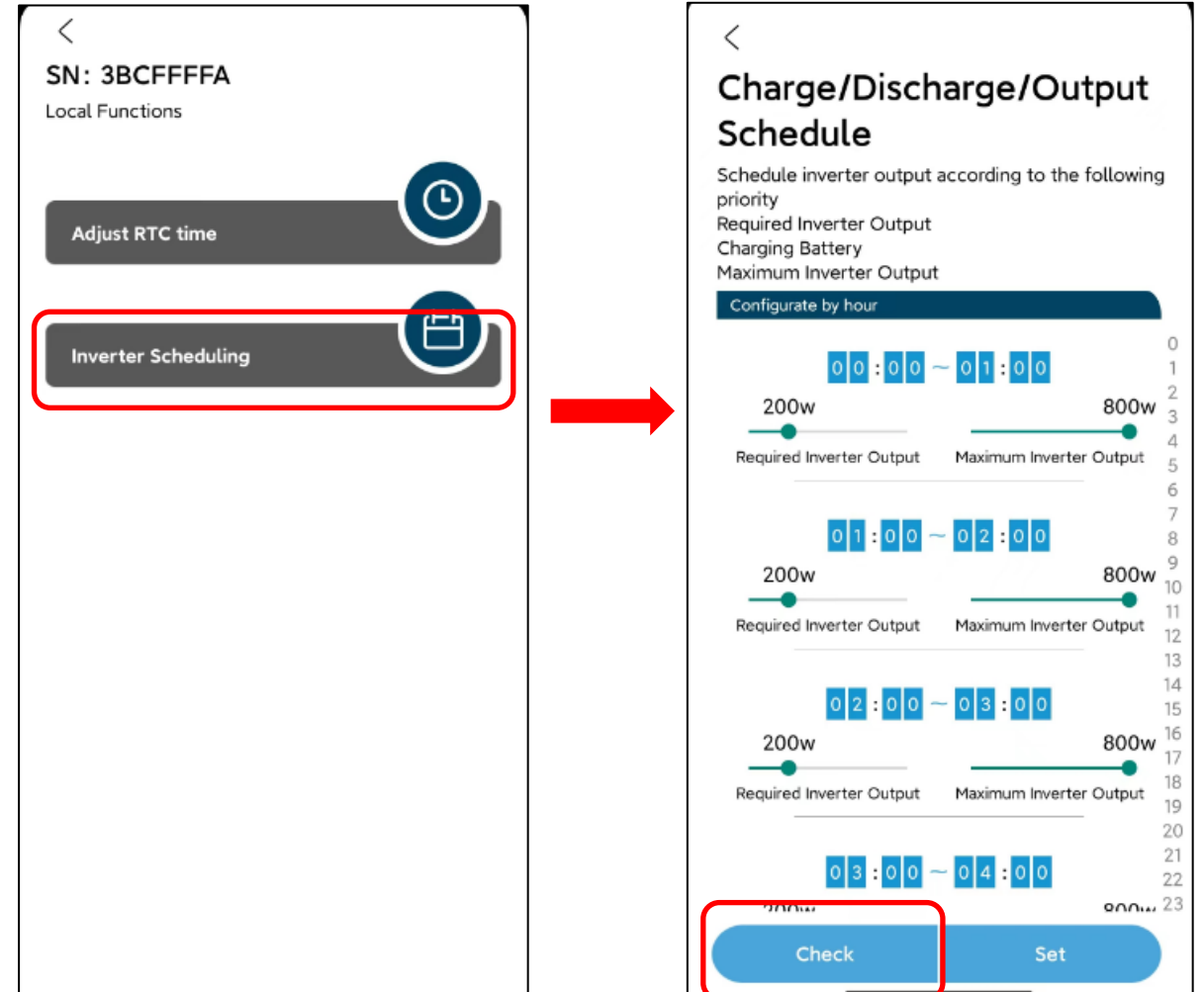
- If not, in **manual set** to fill in the phone time and click **Set**.
- If pop up **success**, inverter has the same time as cell phone now.



1. Monitoring Configuration

1.3. BDH-800 configuration

- Click on text **Inverter Scheduling** you will enter the inverter output power configuration.
- Click **Check**, you can check inverter output power per hour.

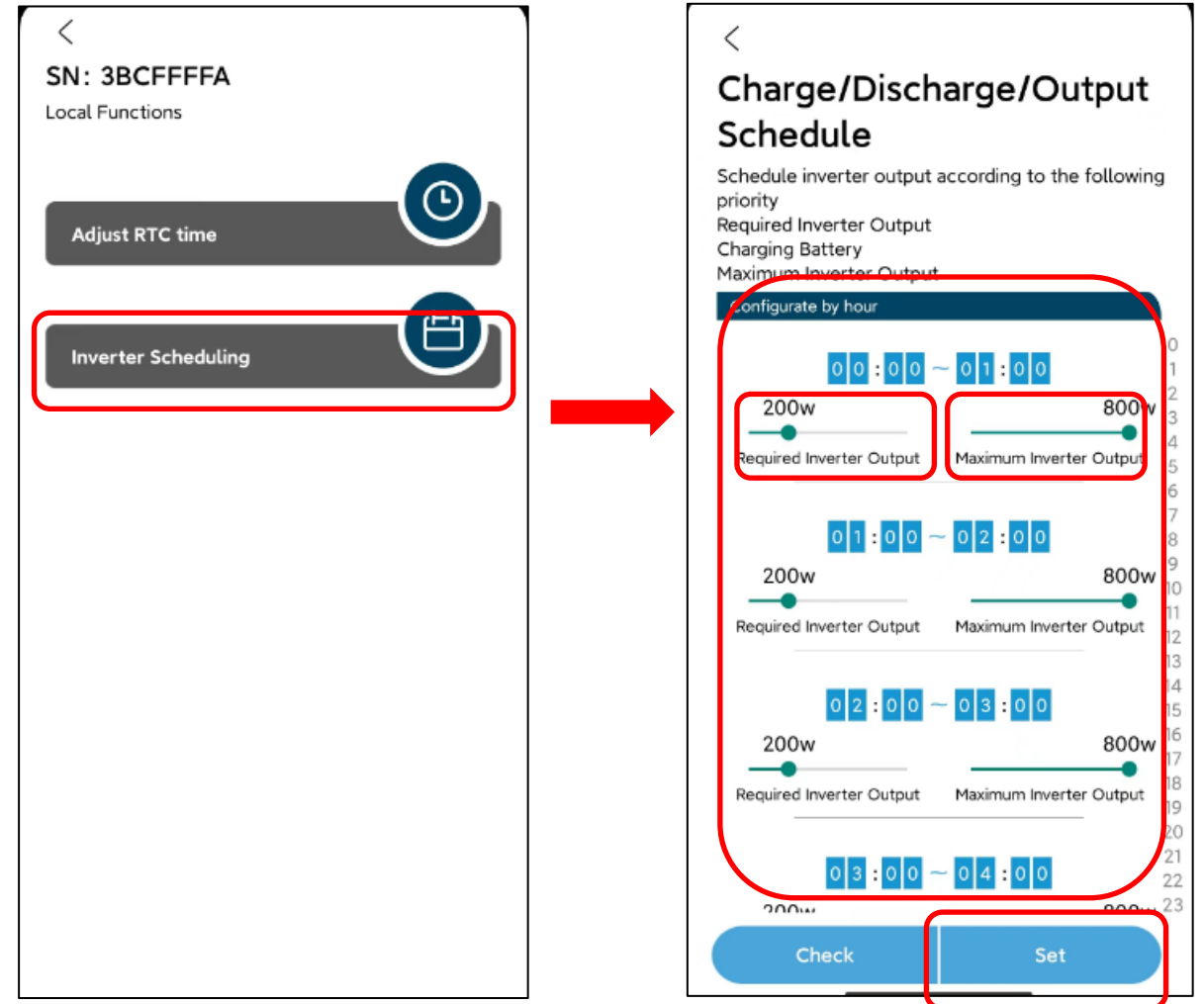


1. Monitoring Configuration

1.3. BDH-800 configuration

- In **Configure by hour**, you can change inverter output power and maximum by hour by swiping left and right. The time range from 0 o'clock to 23 o'clock.

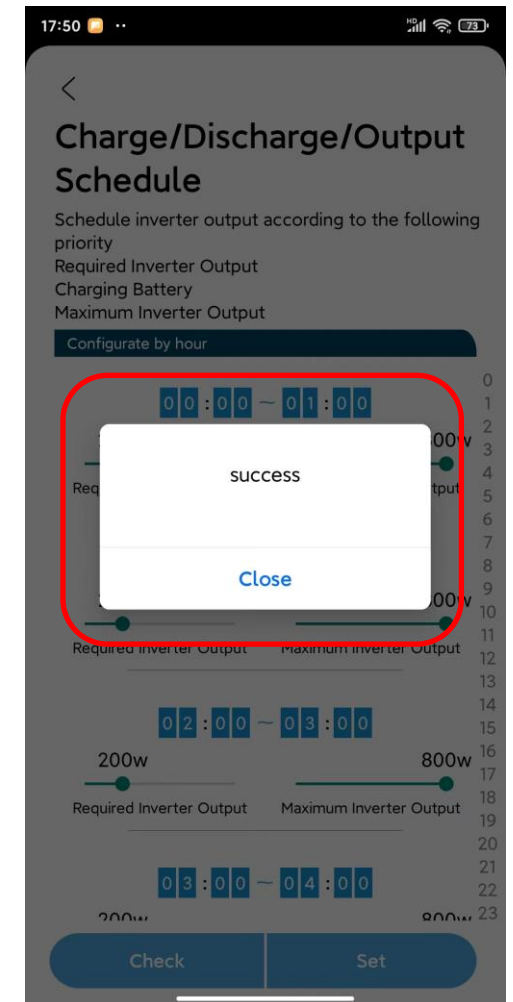
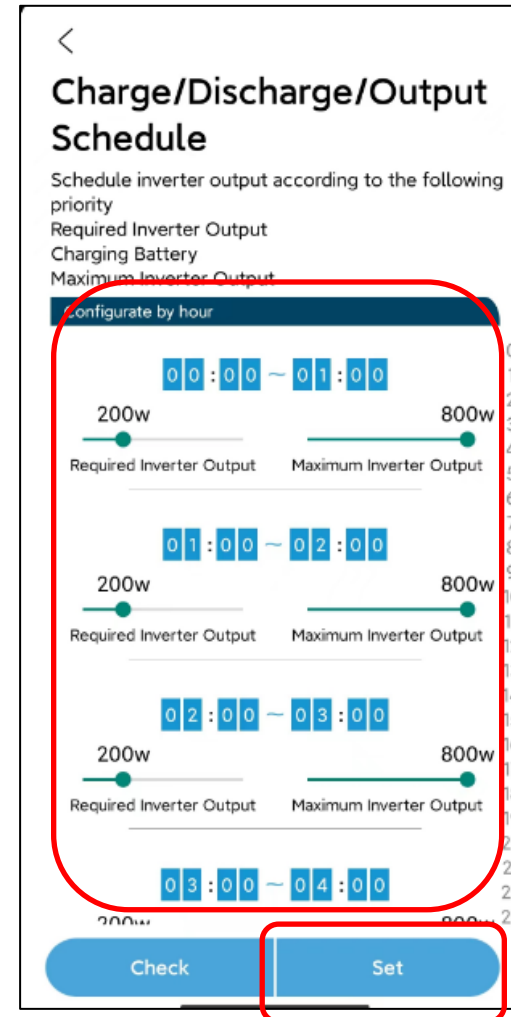
*(The maximum power should be greater than the requested output power, and the power adjustment can only be adjusted in base 100)



1. Monitoring Configuration

1.3. BDH-800 configuration

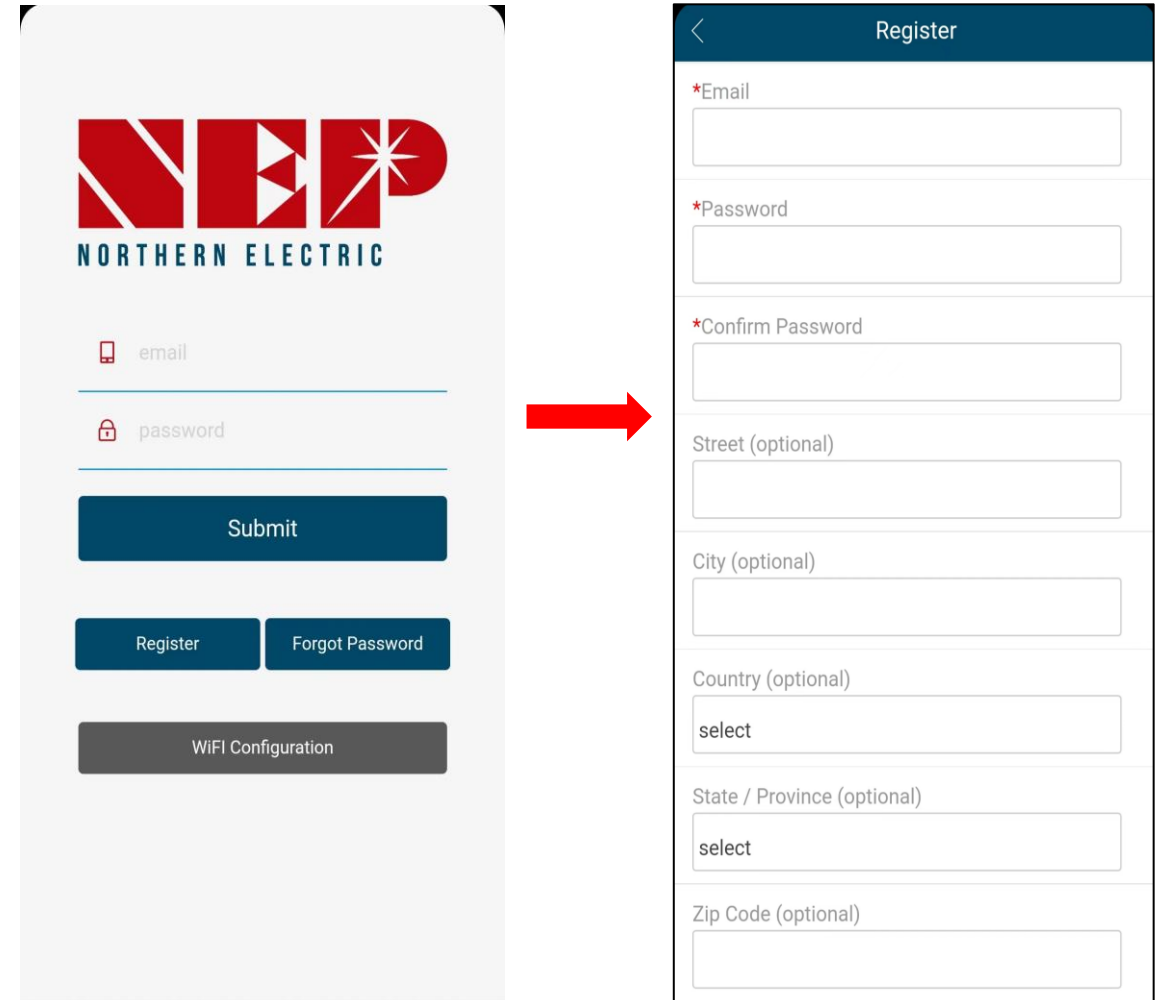
- Click **Set**, if pop up **success**, your set is ok.



2. User Interface

2.1. Login

- Click on the button **'Register'** if you are a new user
- In detail, you can enter the info, such as Email, Password, City, Country and so on and submit it

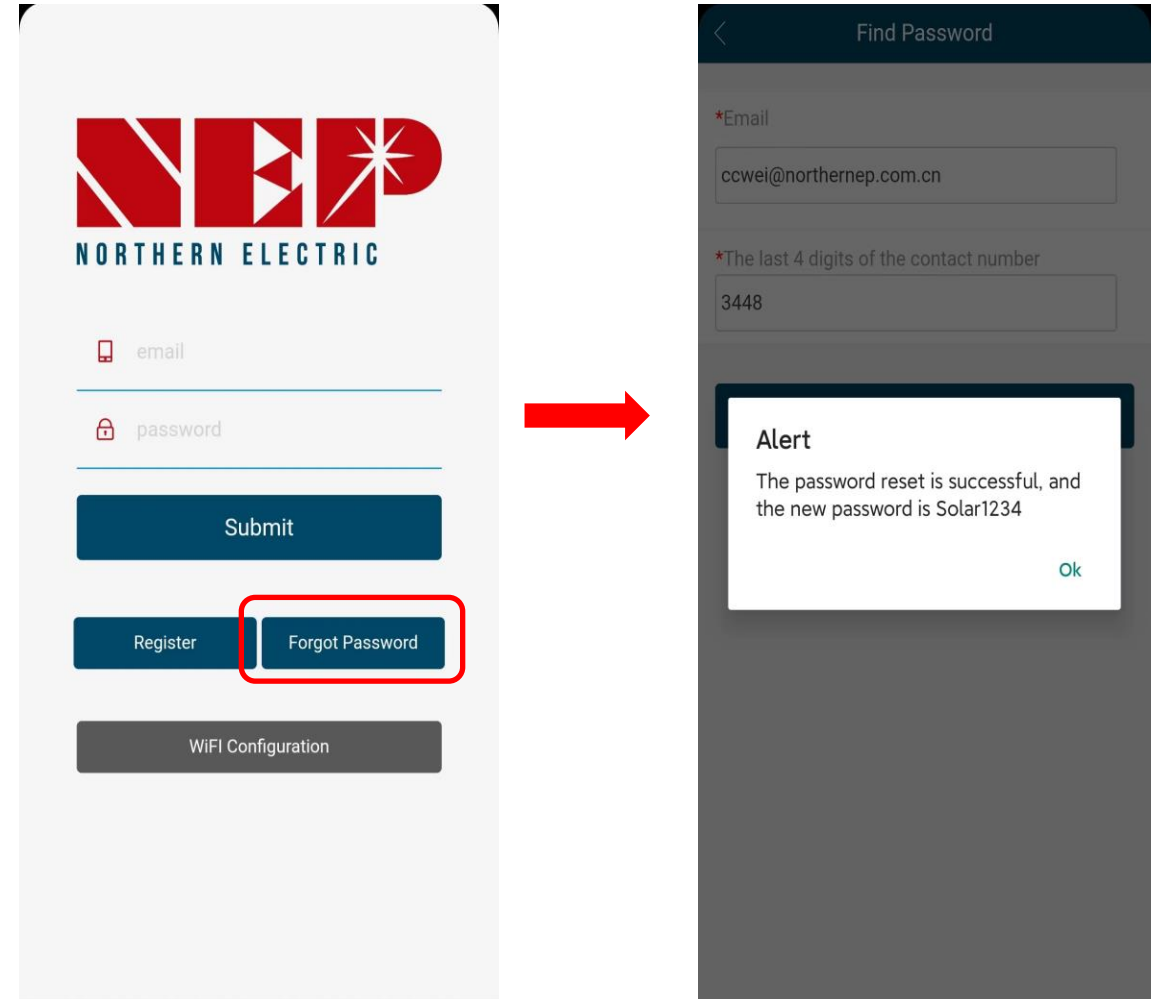


The image displays two screenshots of the Northern Electric mobile application interface. The left screenshot shows the login screen with the Northern Electric logo at the top, followed by input fields for 'email' and 'password', a 'Submit' button, and 'Register' and 'Forgot Password' buttons. Below these is a 'WiFi Configuration' button. A red arrow points from the 'Register' button to the right screenshot. The right screenshot shows the 'Register' form with a back arrow and the title 'Register'. It contains several input fields: '*Email', '*Password', and '*Confirm Password' (all required); 'Street (optional)', 'City (optional)', 'Country (optional)', 'State / Province (optional)', and 'Zip Code (optional)' (all optional). The 'Country' and 'State / Province' fields have a 'select' dropdown menu.

2. User Interface

2.1. Login

- Click on the button **'Forgot Password'** if you forget your login password
- In detail, you can enter the **Email** and **The last 4 digits of the contact number**
- Click on the button **Sent**, A window will pop up with a new password, and now you get your new password successfully

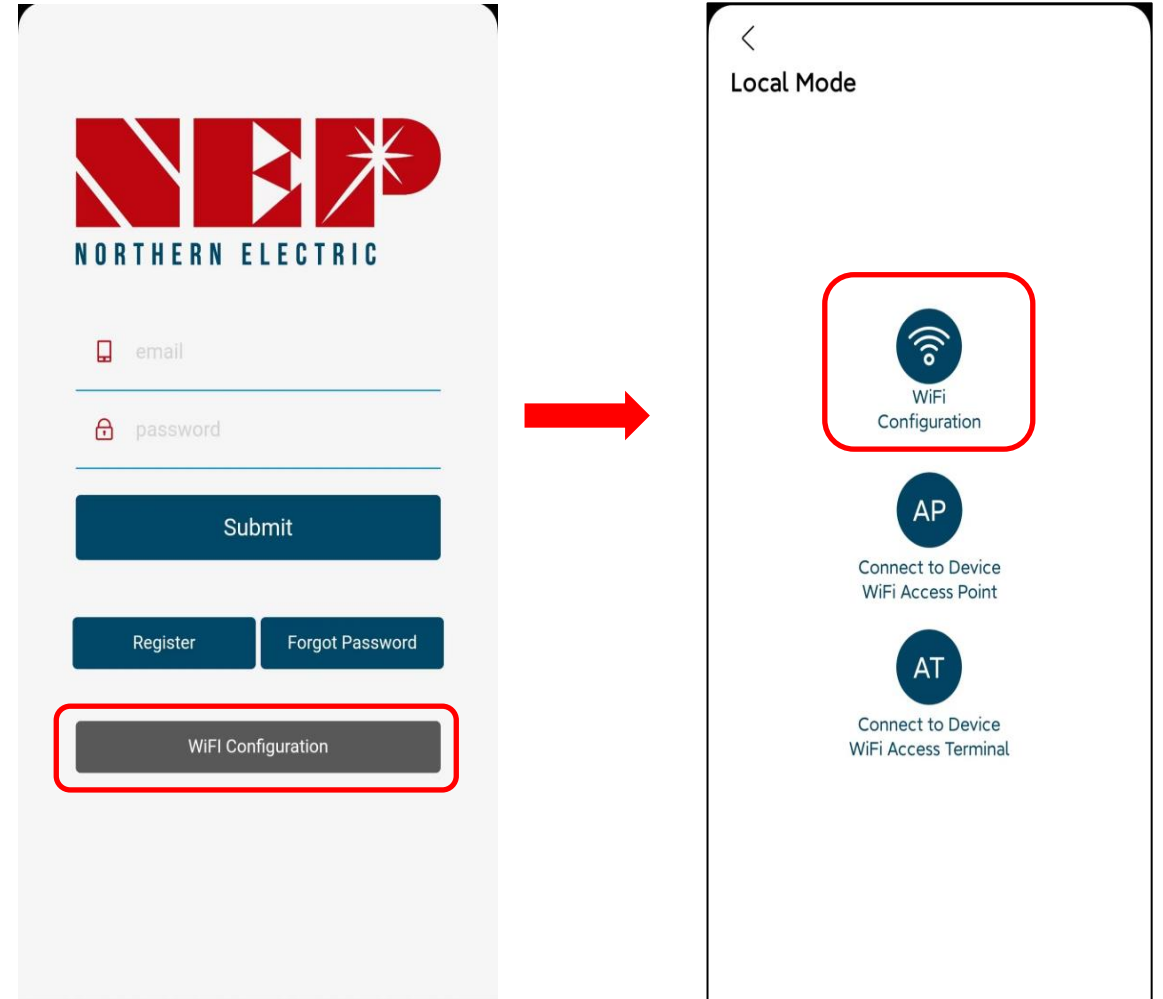


2.User Interface

2.1.Login

- Click on the button **WiFi Configuration** and you'll see it in detail
- In detail,click on the icon **WiFi Configuration** you will enter the distribution network

*(You can see **Step2-3 NEPViewer WiFi Configuration** in detail)

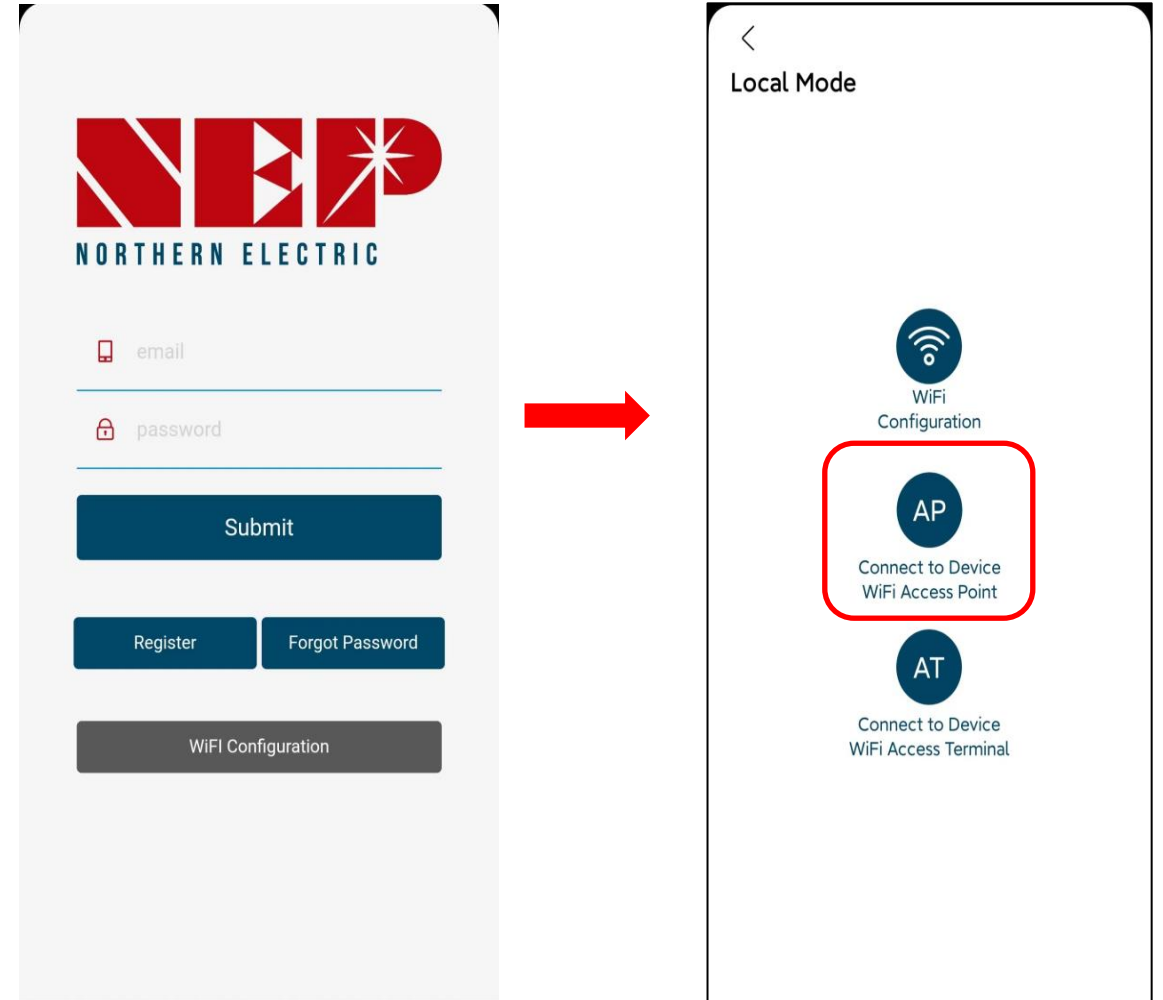


2. User Interface

2.1. Login

- In detail, click on the icon **AP** you will enter the distribution network

*(You can see **Step2-3 NEPViewer WiFi Configuration** in detail)



2. User Interface

2.2. PV List

- Click on this icon **'PV List'** and you'll see all the sites you've added



2. User Interface

2.2. PV List

- Click on any site you added before, **NEP SUZHOU** and you'll see it in detail

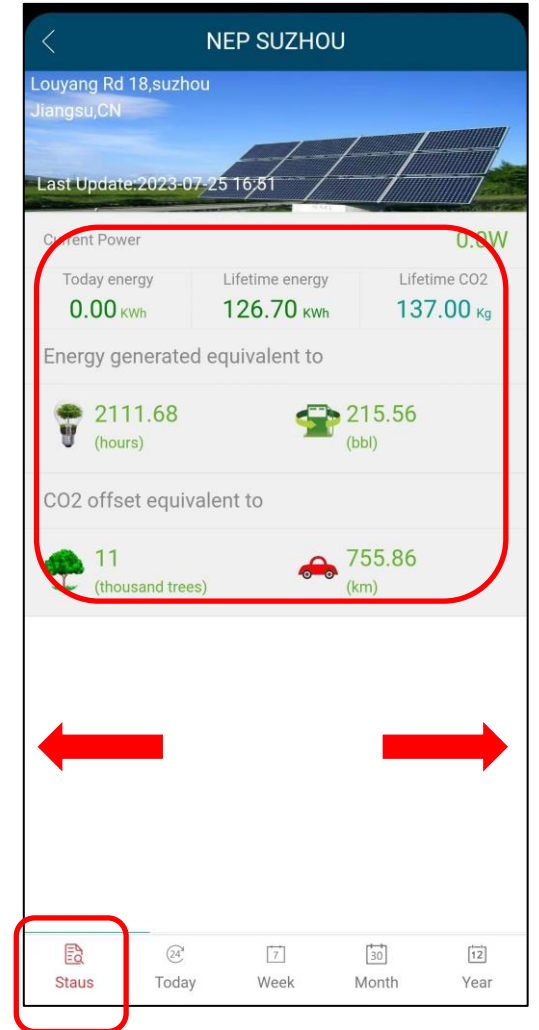


2.2.PV List

2.2.1.PV List-Status

- Click on this icon **'Status'** and you'll see it in detail
- **Current Power** 0.0W means current generation power is 0.0W
- **Today energy** 0.0kw/h means electricity generation today is 0.0kw/h
- **Lifetime energy** 126.70kw/h means total electricity generation reaches 100 kWh
- **Lifetime CO2** 137.00kg means CO2 emissions are reduced by 137 kg

*(You can swipe left and right to switch between different MIS if you have more than one MI)

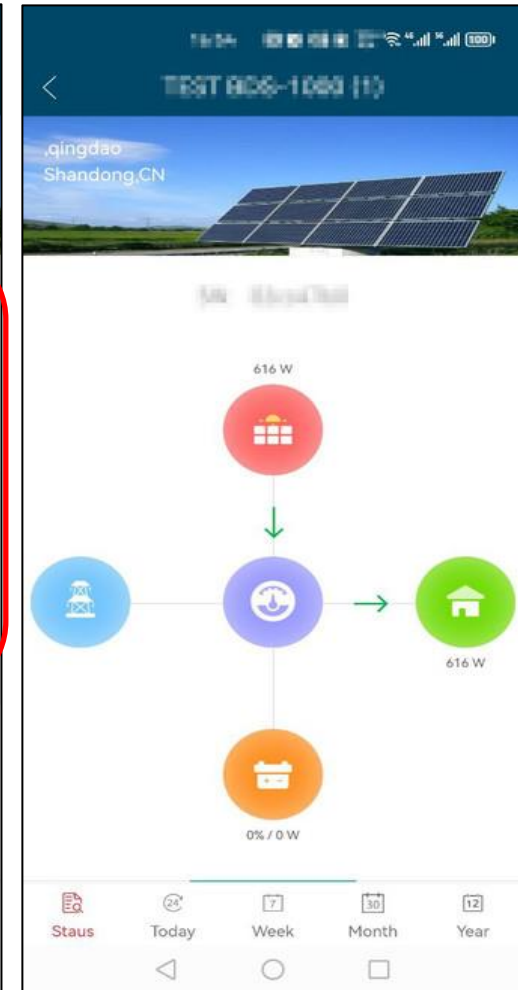
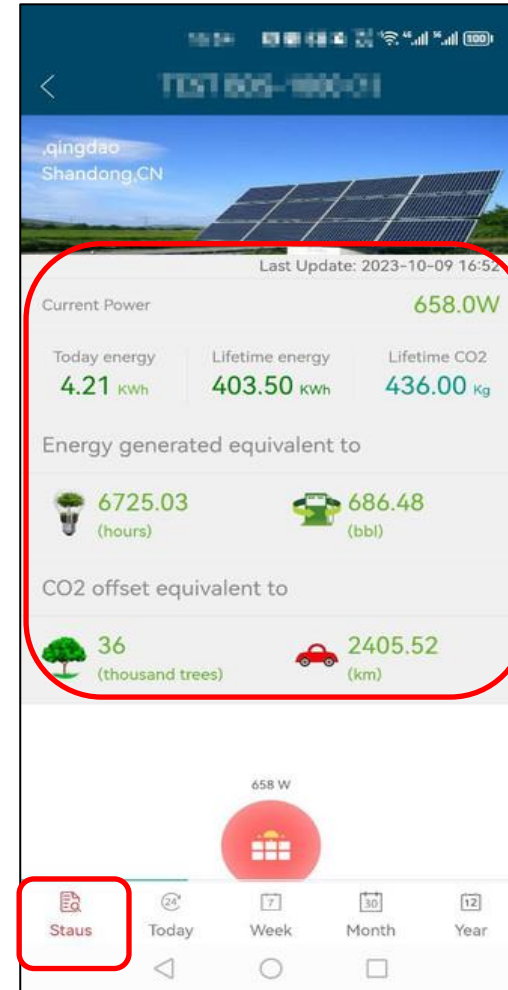


2.2.PV List

2.2.1.PV List-Status

- **Energy generated equivalent to** 2111.68H,215.56L means the power generation can maintain the lighting 2111.68H or can save gasoline 215.56L
- **CO2 offset equivalent to** 11000 trees,215.56km means it can reduce CO2 emissions from 11 trees or 1 km of car driving

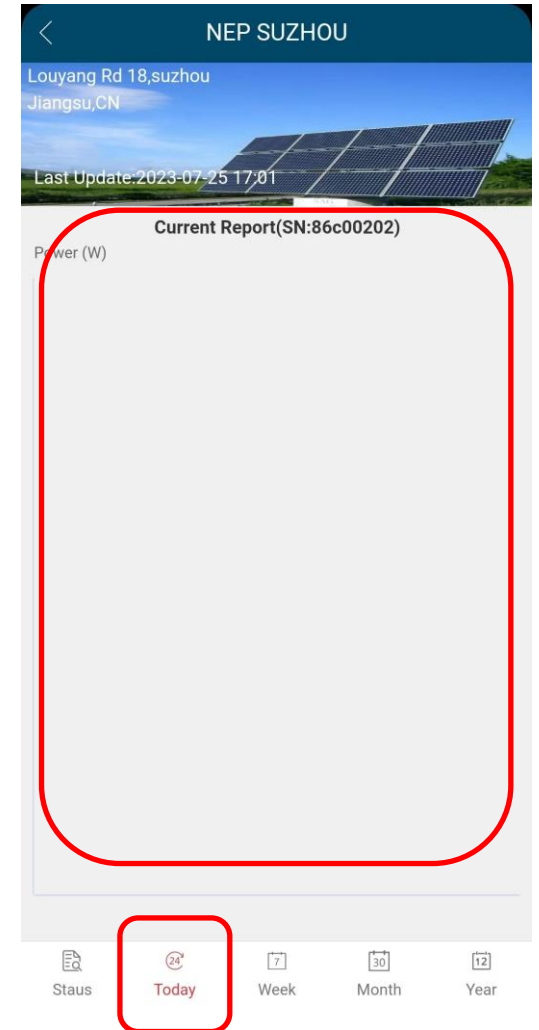
*(You can swipe left and right to switch between different MIS if you have more than one MI)



2.2.PV List

2.2.2.PV List-Today

- Click on this icon **'Today'** and you'll see it in detail
- **Current Report** means a report of the current generation power and it is displayed in a bar chart



2.2.PV List

2.2.3.PV List-Week

- Click on this icon **'Week'** and you'll see it in detail
- **Weekly Report** means a weekly report on electricity generation and it is displayed in a bar chart

*(You can swipe left and right to switch between different MIS if you have more than one MI)

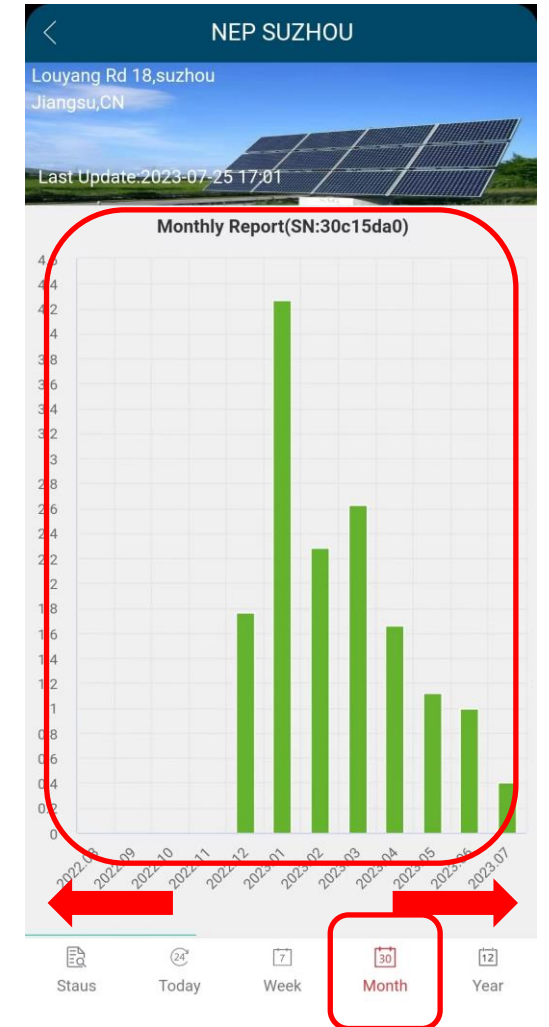


2.2.PV List

2.2.4.PV List-Month

- Click on this icon **'Month'** and you'll see it in detail
- **Monthly Report** means monthly report on electricity generation and it is displayed in a bar chart

*(You can swipe left and right to switch between different MIS if you have more than one MI)



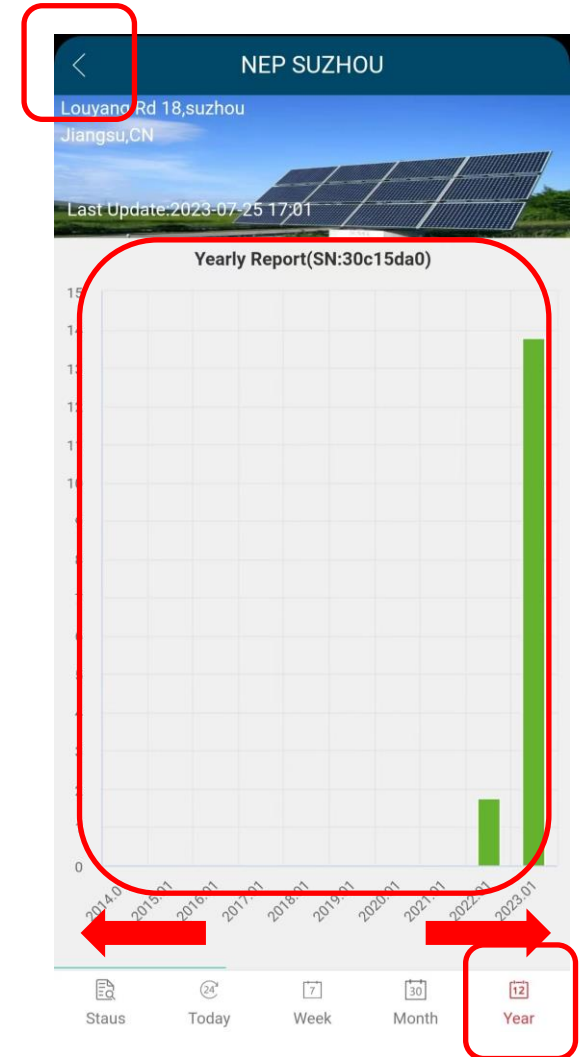
2.2.PV List

2.2.5.PV List-Year

- Click on this icon **'Year'** and you'll see it in detail
- **Yearly Report** means yearly report on electricity generation and it is displayed in a bar chart
- Click on this icon **'return'** and you'll return to the main interface

*(You can swipe left and right to switch between different MIS if you have more than one MI)

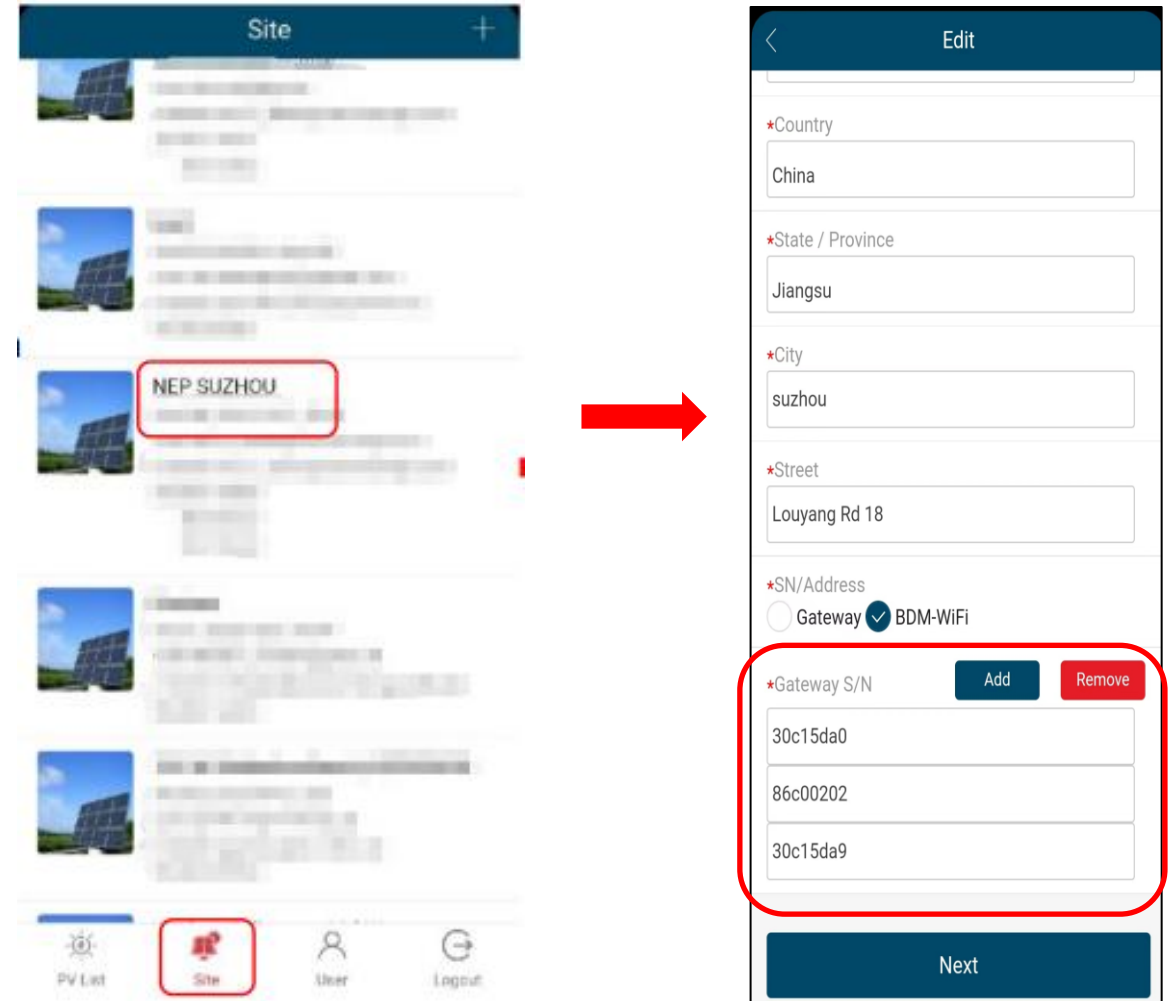
return



2. User Interface

2.3. Site

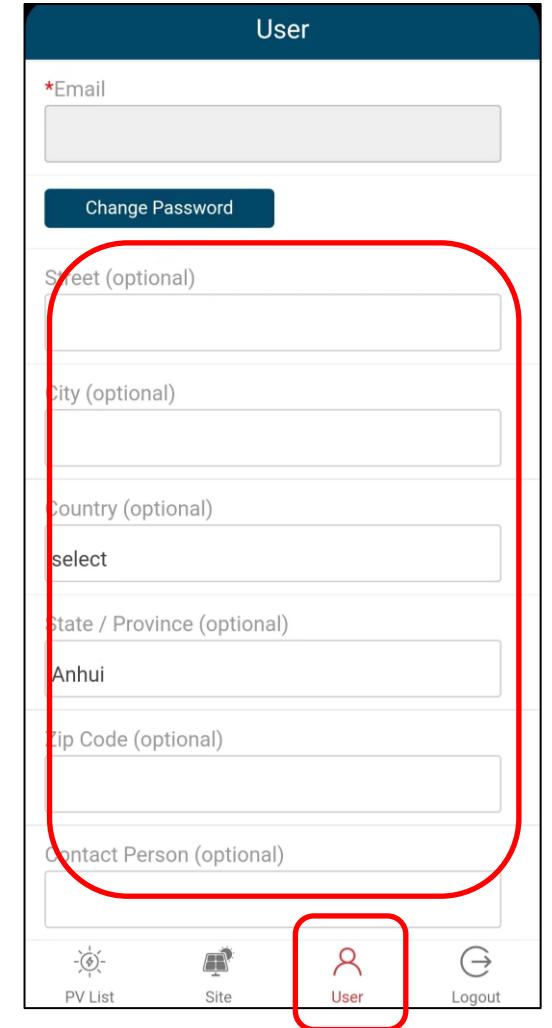
- Click on this icon **'Site'** and you'll see it in detail
- Click on any site you added before, **NEP SUZHOU** and you can edit old infos, and also add or del MIs



2.2.PV List

2.4.User

- Click on this icon **'User'** and you'll see it in detail
- Here you can edit your infos,such as email, password,city,contact number and so on

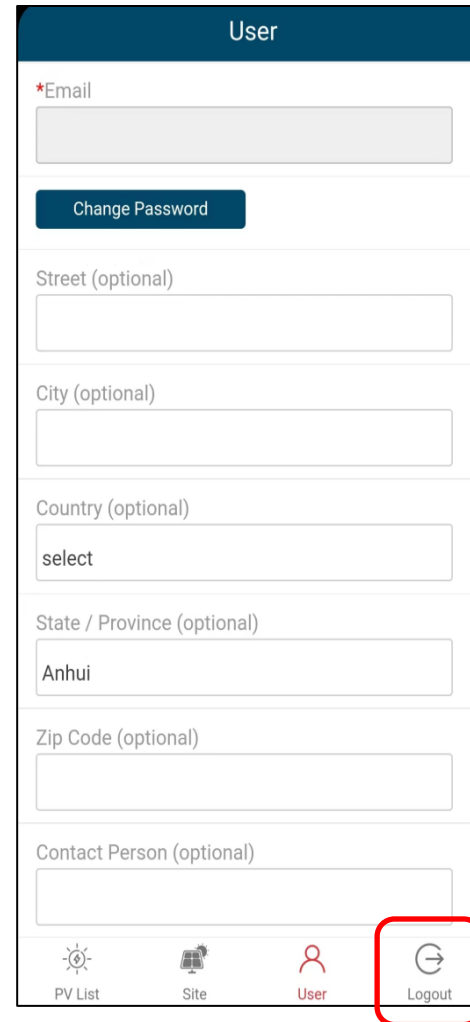


The screenshot shows a mobile application interface for editing a user profile. The title bar at the top is dark blue with the word "User" in white. Below the title bar, there is a form with several input fields. The first field is labeled "*Email" and is empty. Below it is a dark blue button labeled "Change Password". The next field is labeled "Street (optional)" and is empty. Below that is a field labeled "City (optional)" which is also empty. The next field is labeled "Country (optional)" and has a dropdown menu with the word "select" visible. Below that is a field labeled "State / Province (optional)" with the word "Anhui" selected. The next field is labeled "Zip Code (optional)" and is empty. The final field is labeled "Contact Person (optional)" and is empty. A red rounded rectangle highlights the address fields (Street, City, Country, State, Zip Code, Contact Person). At the bottom of the screen, there is a navigation bar with four icons: a sun icon labeled "PV List", a site icon labeled "Site", a person icon labeled "User" (which is highlighted with a red square), and a back arrow icon labeled "Logout".

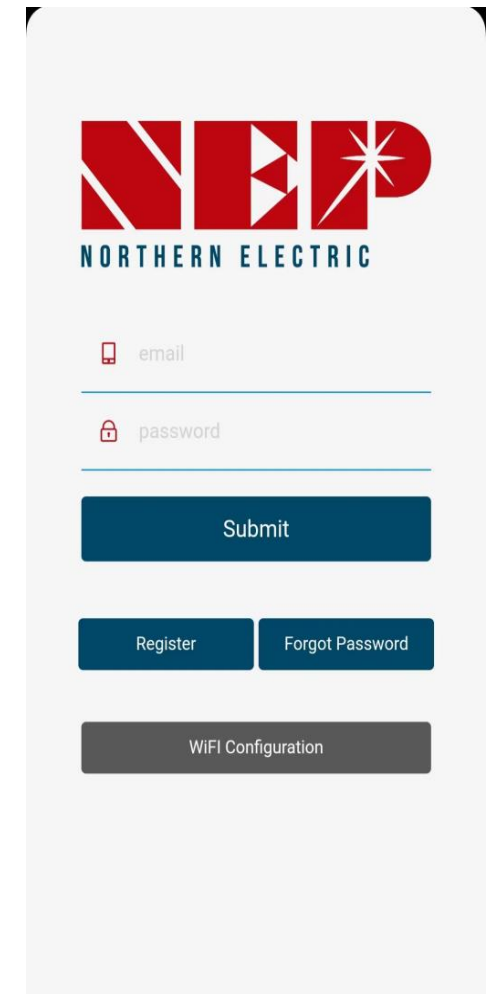
2.User Interface

2.5.Logout

- Click on this icon **'Logout'** and you'll return to the login page



The image shows a mobile application screen titled "User". It contains several input fields: "*Email", "Street (optional)", "City (optional)", "Country (optional)" with a "select" dropdown, "State / Province (optional)" with "Anhui" selected, "Zip Code (optional)", and "Contact Person (optional)". A "Change Password" button is located below the email field. At the bottom, there is a navigation bar with icons for "PV List", "Site", "User", and "Logout". The "Logout" icon, which is a circular arrow, is highlighted with a red square.



The image shows a mobile application login screen. It features the Northern Electric logo at the top. Below the logo are input fields for "email" and "password". A "Submit" button is positioned below the password field. At the bottom, there are buttons for "Register", "Forgot Password", and "WiFi Configuration".