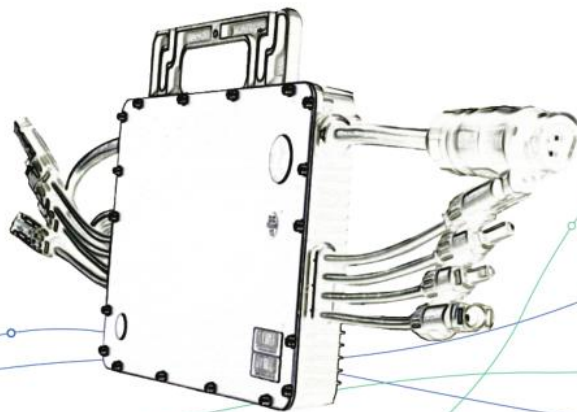


# Introduction of Hoy miles Monitoring System



**MICROINVERTER**  
SOLAR SOLUTIONS

# CONTENTS

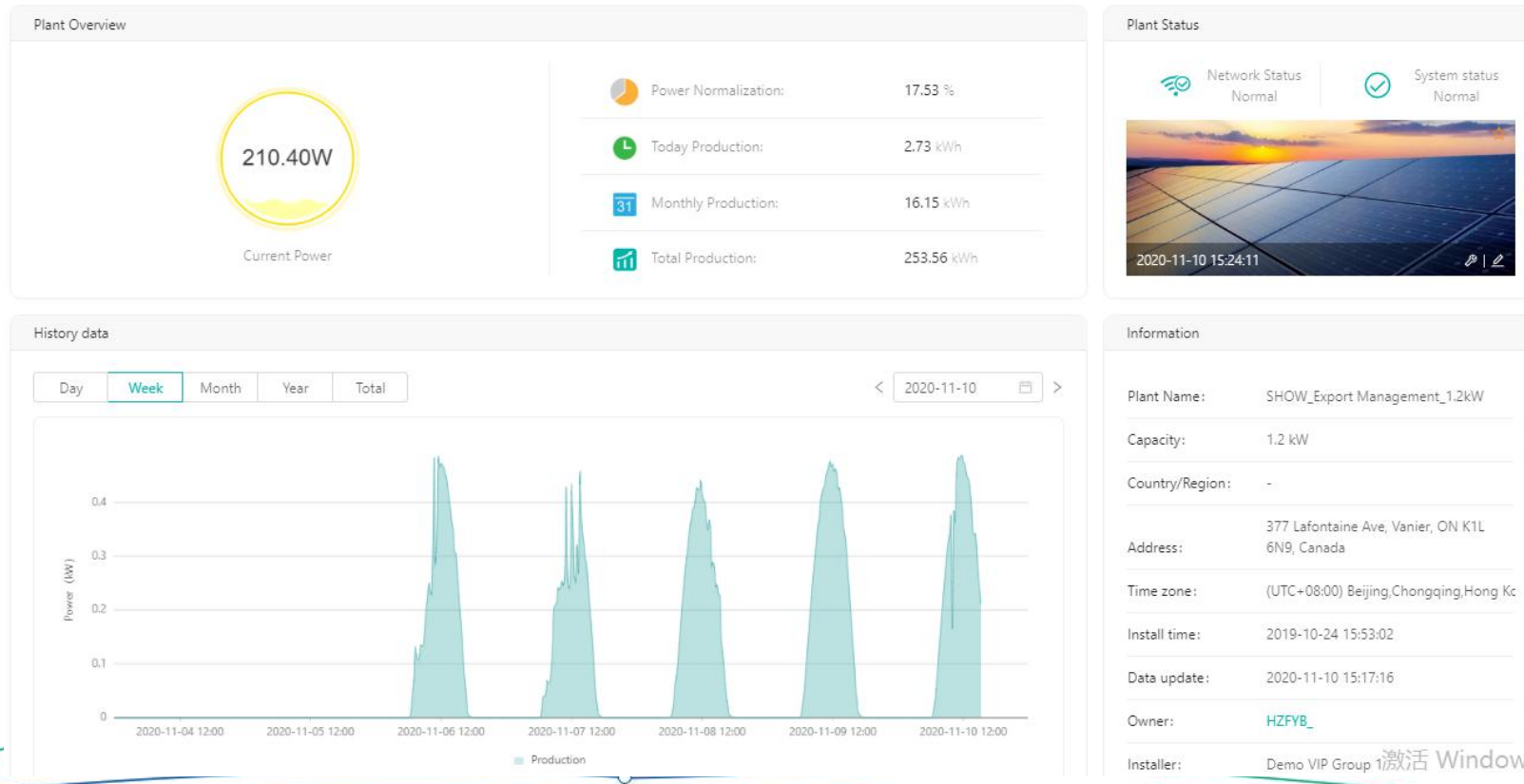
- Key features of monitor system
- DTU Installation
- Account management
- Set up a plant by App
- Set up a plant by webpage



## Key features of monitor system

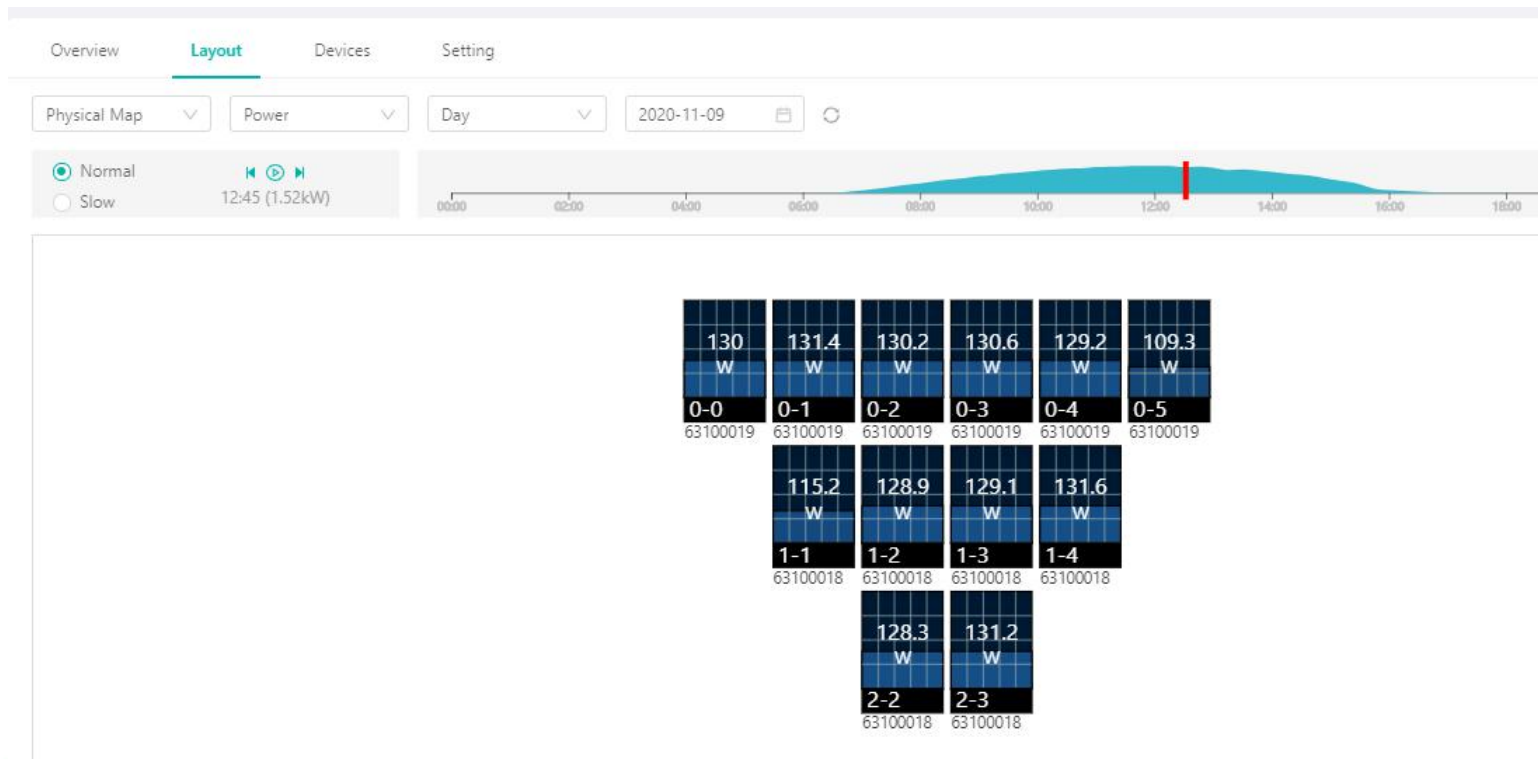


## Module-level remote monitoring for microinverter operating status in real time





Availability for downloading module-level operating & failure report.





## Smart operation for plant O&M and Device maintenance.

### Plant O&M

Plant Name: Three Phase test

Power: 1.8 kW

Organization: Demo VIP Group 1

Owner: VIPowner

Plant Status: Home Plant

Install time: 2020-10-30 18:59:59

Address: Sagenokawa-200 Matsuurachō, Imari, Saga 849-5264, Japan

Current Pow:



Plant O&M:

- Plant Edit
- Plant transfer
- Networking
- Generate Report
- Sunspec Modbus Setting
- Marked as obsolete
- Delete

### Device maintenance

DTU-SN: 10F800000049

Create time: 2020-10-30 19:23:40

Plant: **Three Phase test**

MI No.: 2

Hardware Ver: 09.01.01

Software Ver: V00.02.00

Device maint

- Restart
- Firmware Upgrade
- Device Replace
- Anti-theft Setting
- Delete Device



## Module-level smart alarms track real-time information for troubleshooting and maintenance

Home / O&M / Alarm Query /

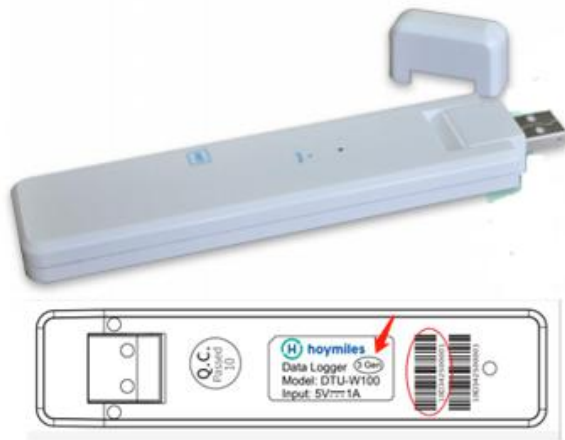
Real-time Alarm		Historical Alarm		
Microinverter	Please select plant	Alarm Severity	Please input serial number	<a href="#">Search</a>
MI-SN	Plant	Alarm Severity	Alarm Name	Alarm Time
116161404456	StiloLab	Lv3	PV1 No input PV2 No input Input undervoltage PV4 No input	2020/11/06 10:37:36 (UTC+01:00) 2020/11/06 10:37:36 (UTC+01:00) 2020/11/06 10:42:36 (UTC+01:00) 2020/11/06 10:37:36 (UTC+01:00)
138163100052	StiloLab	Lv3	PV3 No input Power grid outage Grid undervoltage PV2 No input PV4 No input PV1 No input Input undervoltage Input undervoltage	2020/11/09 08:09:44 (UTC+01:00) 2020/11/09 08:09:44 (UTC+01:00) 2020/11/09 08:09:44 (UTC+01:00) 2020/11/09 08:09:44 (UTC+01:00) 2020/11/09 08:09:44 (UTC+01:00) 2020/11/09 08:09:44 (UTC+01:00) 2020/11/09 08:14:44 (UTC+01:00) 2020/11/09 08:14:44 (UTC+01:00)
106143500165	MarcosJunglas_2.4kW	Lv3	Offline PV1 Input Overvoltage/Undervoltage PV2 Input Overvoltage/Undervoltage PV3 Input Overvoltage/Undervoltage PV4 Input Overvoltage/Undervoltage	2020/11/09 18:18:28 (UTC-03:00) 2020/11/09 18:08:28 (UTC-03:00) 2020/11/09 18:08:28 (UTC-03:00) 2020/11/09 18:13:28 (UTC-03:00) 2020/11/09 18:13:28 (UTC-03:00)



## DTU Installation



## 3<sup>rd</sup> Generation DTU



DTU-W100(3 Gen)/G100(3 Gen)

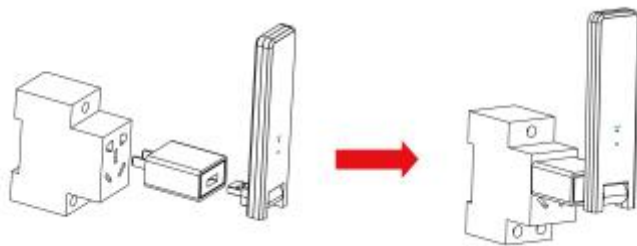


DTU-Pro

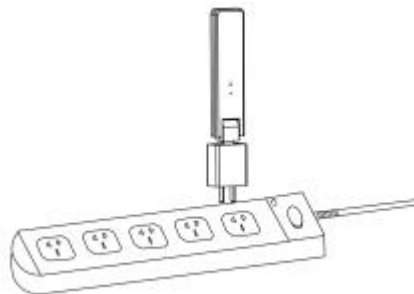
a) Power the DTU, please insert the SIM Card into the SIM Card slot( If choose the G100).

b) Choose the Installation Method

Option 1: Connect the DTU to the adapter and plug it into the wall socket.



Option 2: Connect the DTU to the adapter and plug it into the Power Strip.

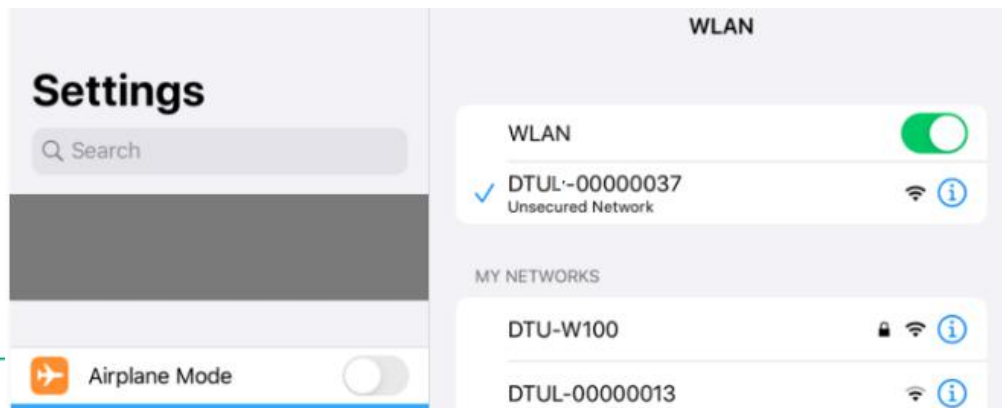


Please make sure it is placed at least 0.5 meter above the ground and try to install the DTU 90 degrees vertical to the ground as much as possible.

c) Start Procedure Once the DTU powers on, the red, green and blue lights will flash for one second in turns for 30 seconds.

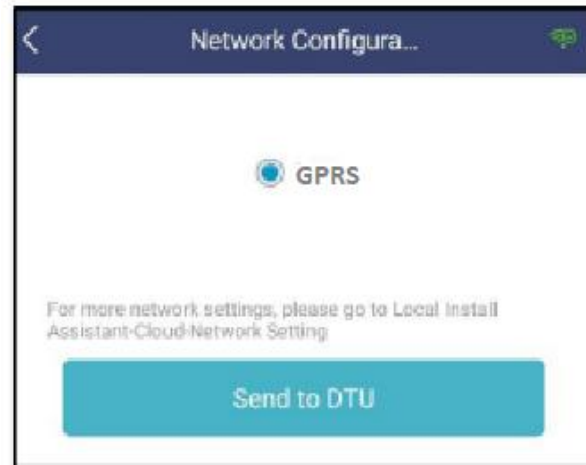
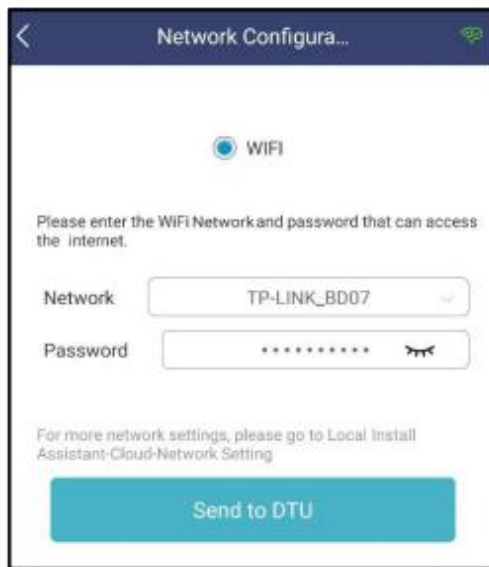
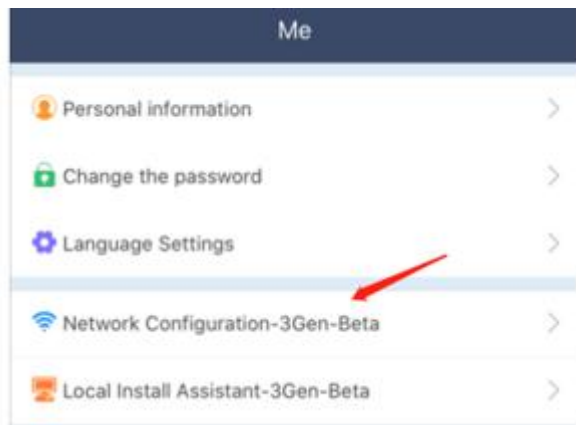
#### d) DTU WIFI configuration

Use your setting device (e.g., smartphone, laptop or tablet) to search the surrounding WiFi signal, and you can find the DTU's WiFi named "DTUL-XXXXXXXX", ("XXXXXXXX" is the last eight digits from the DTU serial number). Connect with DTU's WiFi.

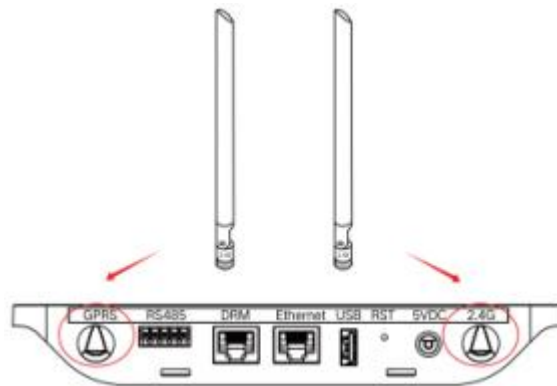
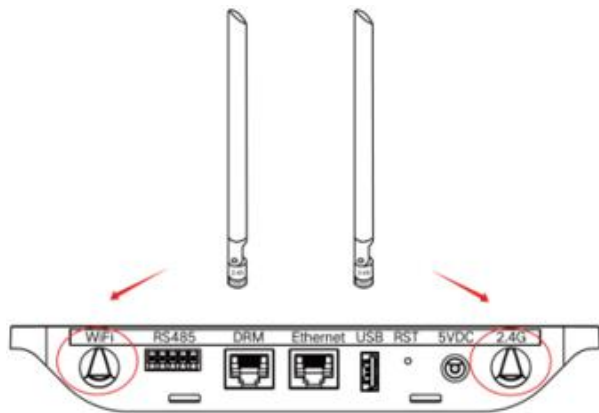


## d) Set up with Internet

Use the smart phone/tablet open the Installer App and login. Approach to “Me” on the bottom of the page and then “Network Configuration-3Gen-Beta”. And select the WIFI/ GPRS complete the network configuration.

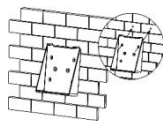


- a) Take two 2.4G antennas out from the box, and screw the antenna into the WiFi/GPRS port and 2.4G port. Insert the SIM card into the card slot and press in the card until heard the "click" sound.(If choose GPRS)



## b) Choose the Installation Method

### Option 1: Mount the DTU on the wall



Screw the bracket on the wall, please choose at least two screw holes (one from each side) to fix the bracket (the M4 screws need to prepare by installer);

Match the bracket's upper buckle with DTU-Pro;



Match the bracket's lower buckle by gently press the lower side of the DTU-Pro until hear the Click. Please make sure the antennas are vertical to the wall.



## Option 2: Place the DTU on the table

Place the DTU on the table, please make sure the antennas are vertical to the table;



c) Plug in the power adapter to power the DTU

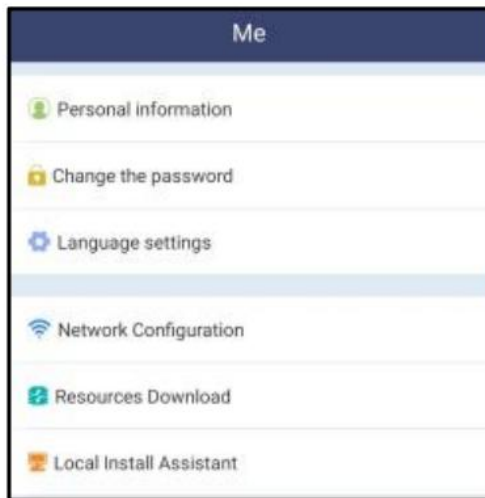
#### d) DTU WIFI configuration

Use your setting device (e.g., smartphone, laptop or tablet) to search the surrounding WiFi signal, and you can find the DTU's WiFi named "DTUL-XXXXXXX", ("XXXXXXX" is the last eight digits from the DTU serial number). Connect with DTU's WiFi.



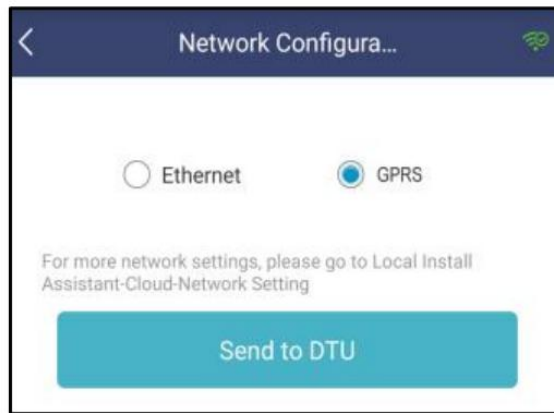
### e) Set up with Internet

- ✓ Use the Lan Cable, one side connect with house router, another side with DTU Ethernet port. Use the smart phone/tablet open the Installer App and login. Approach to “Me” on the bottom of the page and then “Network Configuration”, and select “Ethernet” (If choose Ethernet).
- ✓ Use the smart phone/tablet/laptop open the Installer App and login. Approach to “Me” on the bottom of the page and then “Network Configuration”. And complete the network configuration (If choose WiFi);





- ✓ Use the smart phone/tablet open the Installer App and login. Approach to “Me” on the bottom of the page and then “Network Configuration”, and select “Ethernet” (If choose GPRS).
- ✓ Our default APN is CMNET, in terms of your country do not support CMNET please modify the APN at: “Me-Local Install Assistant-Cloud-Network Configuration” from the Installer App (If choose GPRS).













# Installation Map

Please remove the bar code on the inverter silver cover plate and paste it on the installation map according to the site module arrangement. It's convenient for the maintenance of the station.



**Installation Map**

				DTU-ID		 10F240402327				Customer name			Ricardo Rojero				Capacity		3KW			
				Repeater ID						Power station name			DEMO-3KW				Address					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
A	 104042300801	 104042300803	 104042300808	 104042300811																		
B	 104042300801	 104042300803	 104042300808	 104042300811																		

## Monitoring Website

<https://beta.hoymiles.com/>



Account management

## Instructions

- Hoymiles Monitoring System use multi-levels account management to meet different customers' demand.
- Account levels includes: dealer (distributor), installer and end user from top to bottom. **Superiors create accounts for subordinates.** Permission decreases in turns.
- To register an account needs adding organization and user information. **The owner's Login account is created in the process of creating power station.**

## Instructions

### Dealer

- If you are a new distributor please provide me the sales representative name that you liaise with, Hoymiles company will apply an account for you.

### Installer

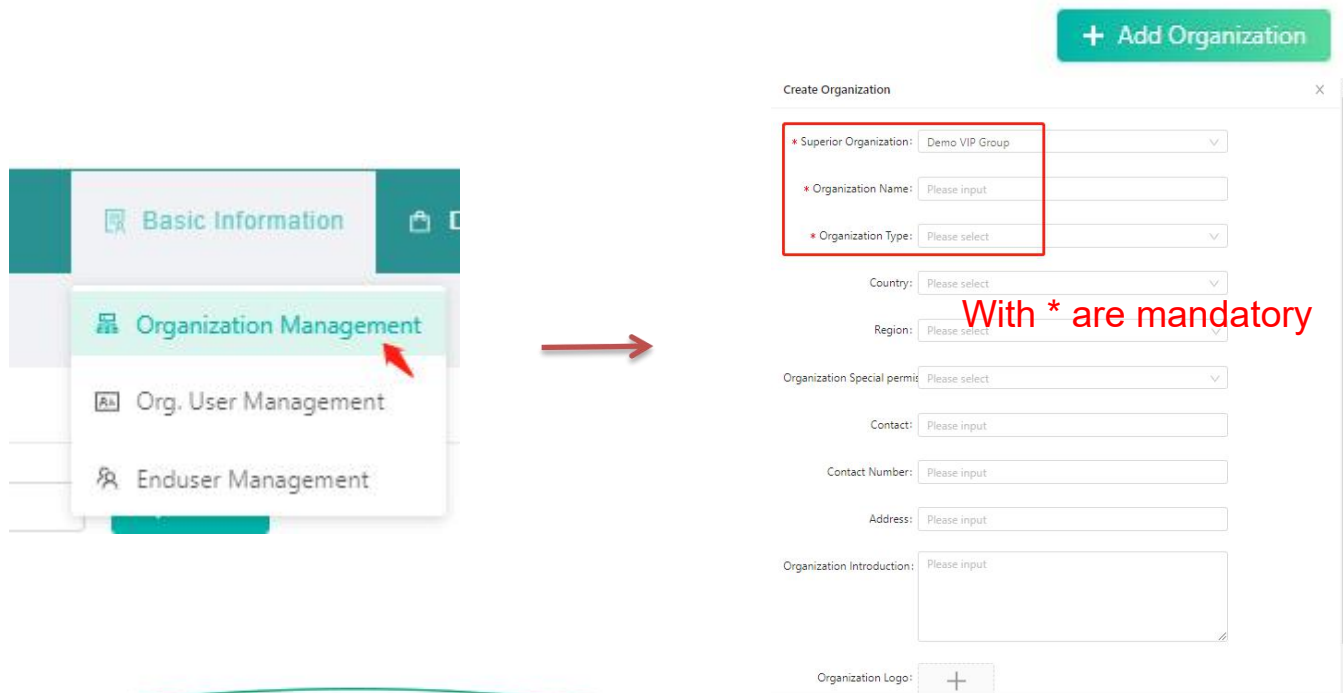
- If you are a installer, you can create your customer's account directly under your installer/distributor account;

- If you are a new installer with Hoymiles, and do not have your installer account before, please approach to you distributor to create your account for you;

### Owner

-If you are a end user, please approach to your installer for account creation;

# How to set up account——Organization Management



+ Add Organization

Create Organization

\* Superior Organization: Demo VIP Group

\* Organization Name: Please input

\* Organization Type: Please select

Country: Please select

Region: Please select

Organization Special permit: Please select

Contact: Please input

Contact Number: Please input

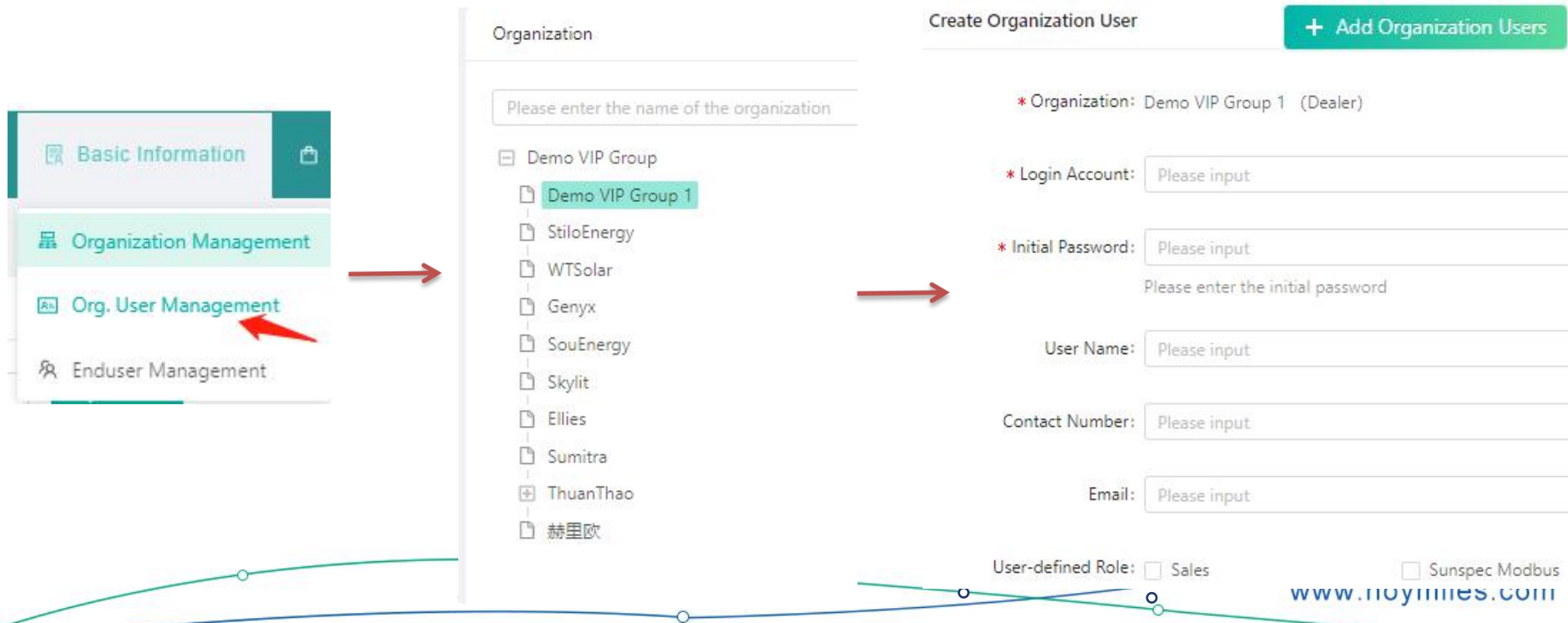
Address: Please input

Organization Introduction: Please input

Organization Logo: +

With \* are mandatory

## How to set up account——Organization Users



The screenshot illustrates the process of setting up an account for Organization Users in the Hoymiles system. It is divided into three main sections:

- Navigation Menu (Left):** Contains four options: Basic Information, Organization Management, Org. User Management (highlighted with a red arrow), and Enduser Management.
- Organization List (Middle):** Titled "Organization", it shows a list of organizations under the "Demo VIP Group". The list includes: Demo VIP Group 1 (highlighted with a green box), StiloEnergy, WTSolar, Genyx, SouEnergy, Skylit, Ellies, Sumitra, ThuanThao, and 赫里欧. A red arrow points from the "Org. User Management" menu item to this section.
- Create Organization User Form (Right):** Titled "Create Organization User", it features a green button labeled "+ Add Organization Users". The form includes the following fields:
  - \* Organization: Demo VIP Group 1 (Dealer)
  - \* Login Account: Please input
  - \* Initial Password: Please input (with a sub-label "Please enter the initial password")
  - User Name: Please input
  - Contact Number: Please input
  - Email: Please input
  - User-defined Role: ☐ Sales ☐ Sunspec ModbusA red arrow points from the "Demo VIP Group 1" organization in the list to the "Organization" field in the form.

The website address [www.hoymiles.com](http://www.hoymiles.com) is displayed at the bottom right.



Create plant by App



## The introduction of APP



Download ways: iPhone please search hoymiles in App Store, Andriod please search hoymiles in Play Store.



Hoymiles APP has installation version and owner version.

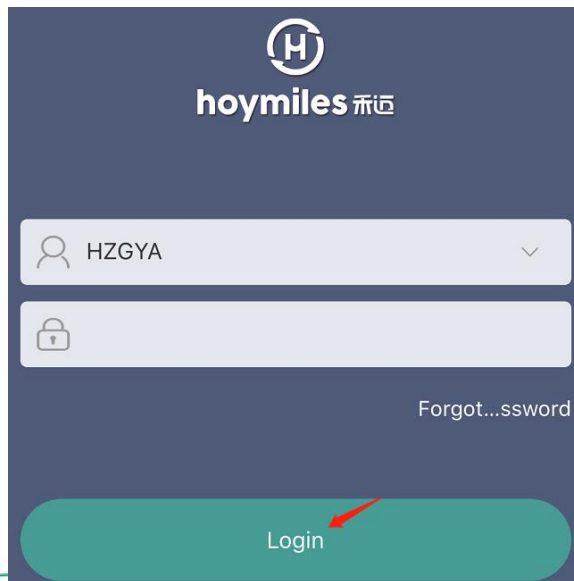


The installation version can create the power station, but the owner version cannot.

## How to set up a power station

1

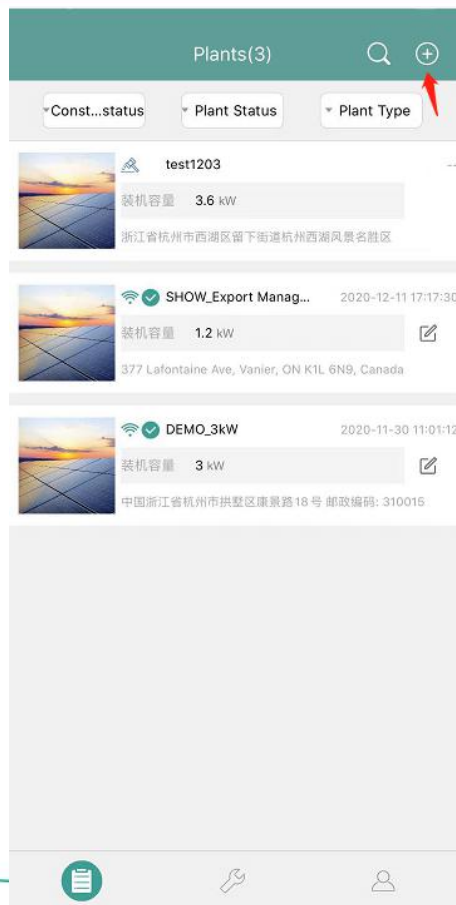
Input account and password and click "Login" button



The screenshot shows the hoymiles login page. At the top is the hoymiles logo. Below it are two input fields: the first contains the username 'HZGYA' with a dropdown arrow, and the second is empty with a lock icon. To the right of the password field is a link that says 'Forgot...ssword'. At the bottom is a large green 'Login' button, which is highlighted with a red arrow.

2

Click



3

Fill the basic information——Plant\_info

<

Information

\* Plant Name

Please enter

\* Plant Type

Please select >


\* CapacitykW

Please enter

\* Time Zone

Please select >


\* Address

Please select 

\* Area

Please select >

Upload Image

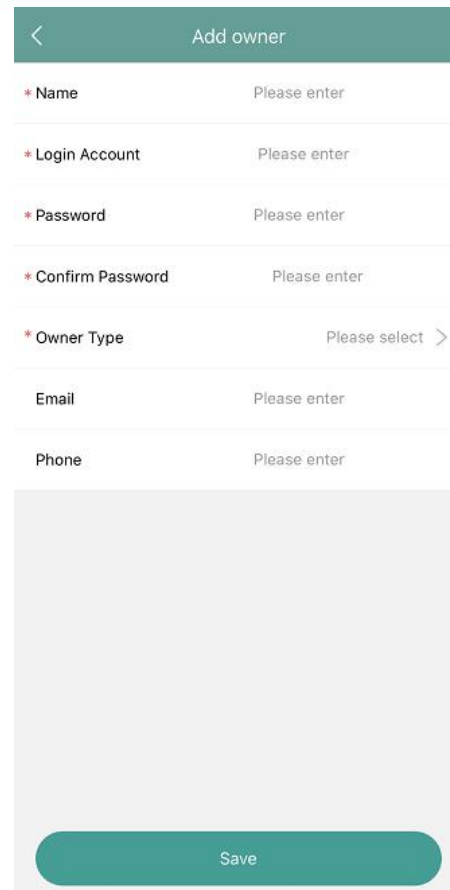
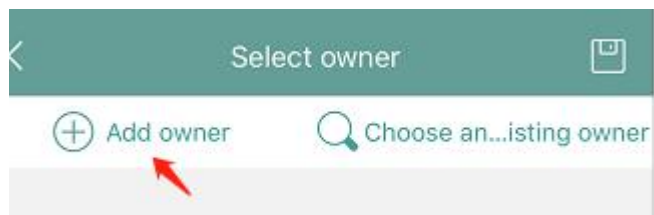


Photos in jpg, png, jpeg format below 5M

Next

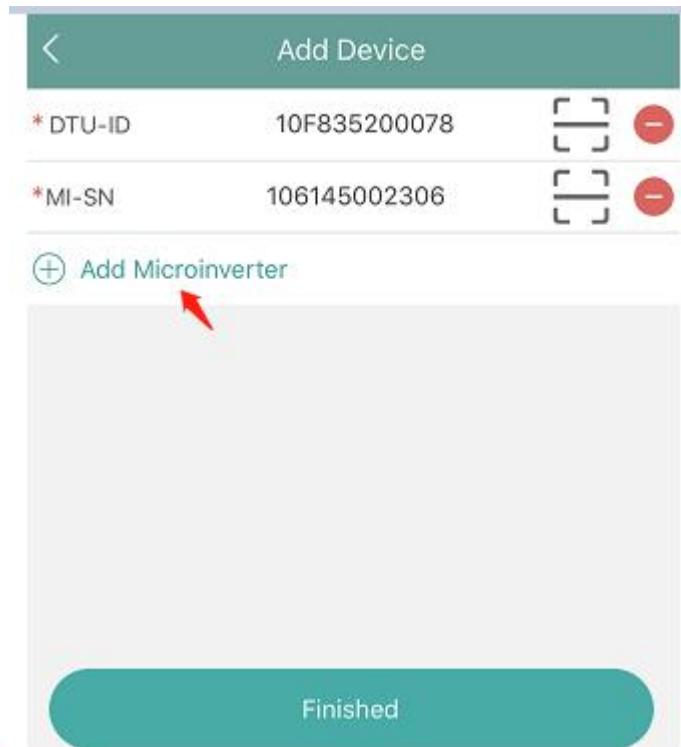
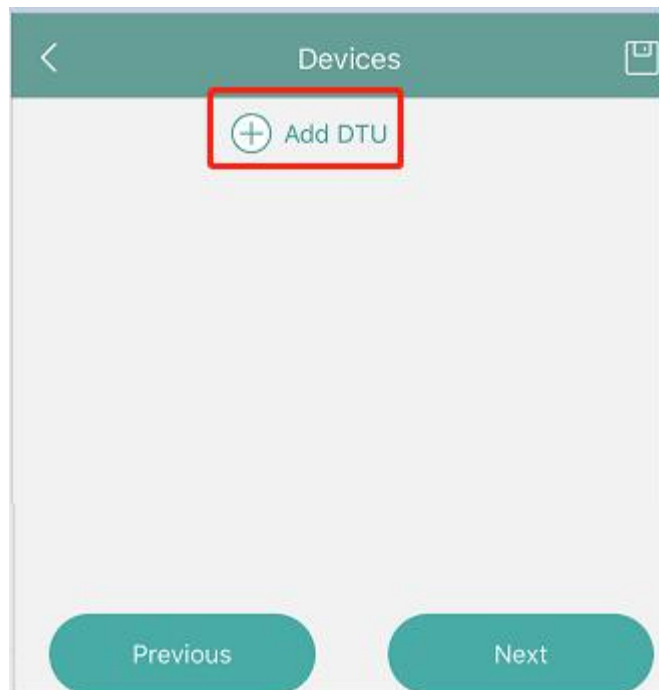
4

Fill the basic information——Owner\_info



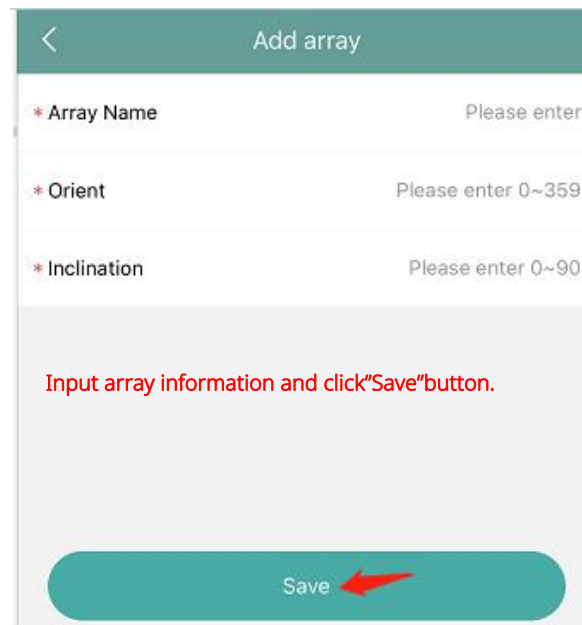
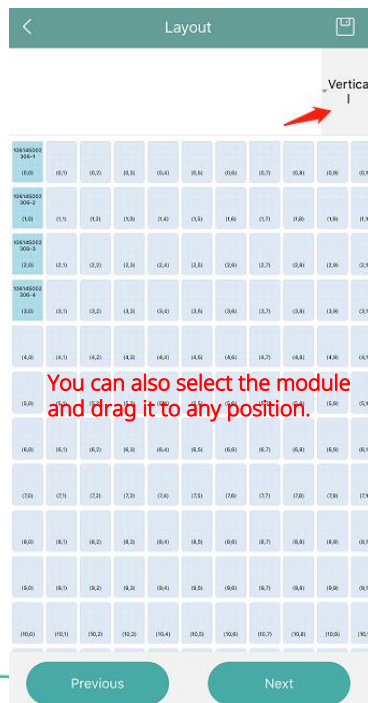
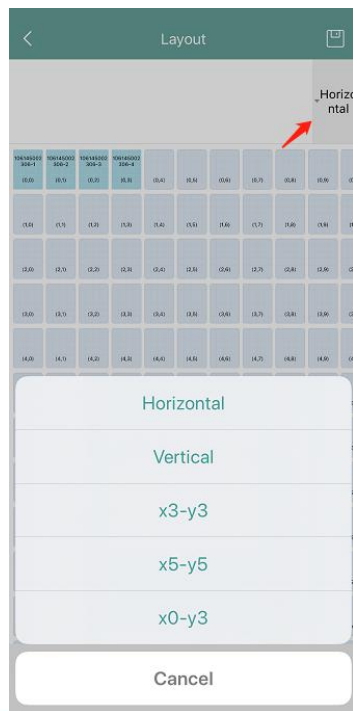
<	Add owner
* Name	Please enter
* Login Account	Please enter
* Password	Please enter
* Confirm Password	Please enter
* Owner Type	Please select >
Email	Please enter
Phone	Please enter
Save	

## 5 Add DTU ID and MI ID



# 6

## Layout design



7

## Upload the installation map



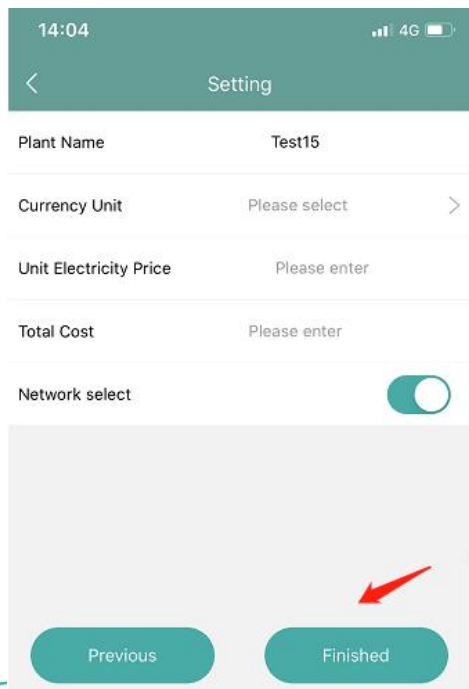
**Upload Image** Photos in jpg, png, jpeg format below 5M

[Previous](#)[Next](#)



## 8

## Complete advanced setting



14:04 4G

< Setting

Plant Name Test15

Currency Unit Please select >

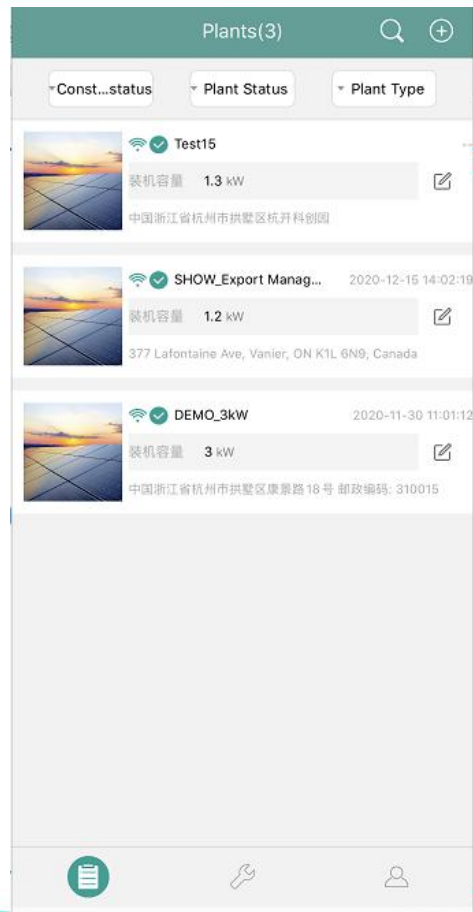
Unit Electricity Price Please enter

Total Cost Please enter

Network select ☒

Previous Finished

Please go to Plant page, and refresh list.

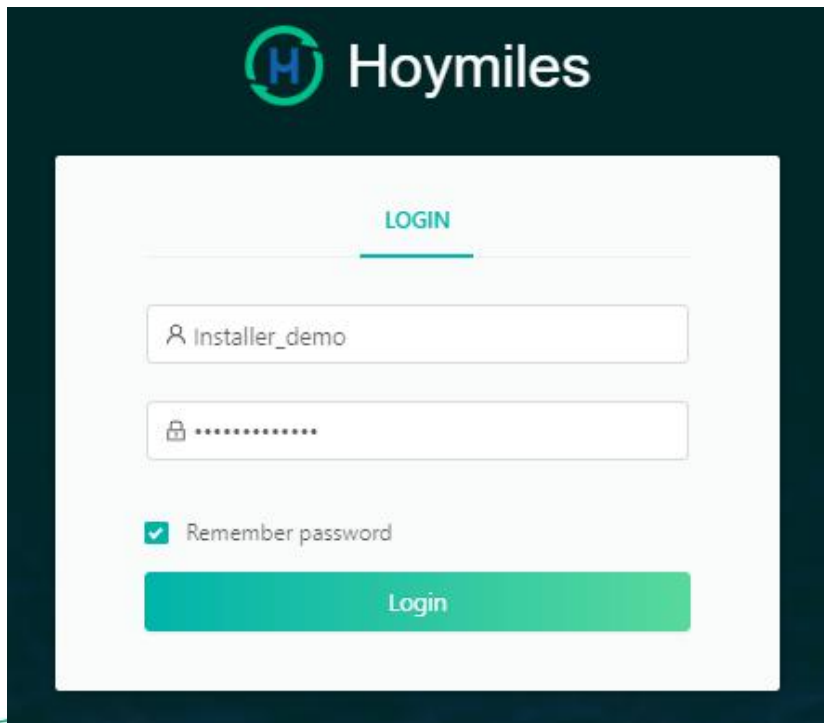




Create plant by webpage

1

Login your account → Click "Login "



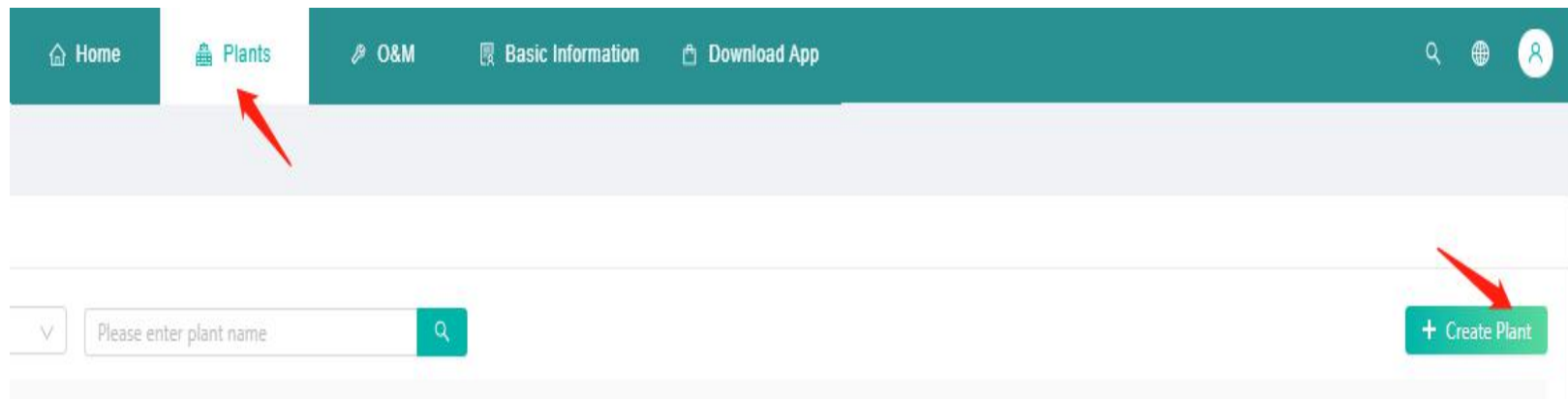
The screenshot shows the Hoymiles login interface. At the top, the Hoymiles logo is displayed. Below it, the word "LOGIN" is centered. There are two input fields: the first for the username, which contains "Installer\_demo", and the second for the password, which is masked with dots. Below the password field, there is a checkbox labeled "Remember password" which is checked. At the bottom, there is a green "Login" button.

1.Please use the google browser.

2.The URL: <https://beta.hoymiles.com/>.

2

Click "Plants" → "Create Plant"



## 3

## Fill out basic information

[← Create Plant \(Basic Information\)](#)\* Plant Name: \* Plant Type: \* Organization: \* Capacity:  kW

\* Location:



Please search or mark the location of your plant on the map!

Plant Cover:

[Cancel](#)[Next](#)

4

Fill out owner information

[← Owner \(test10\)](#)

Create Owner

\* Login Account:  [Choose another owner](#)\* Initial Password: \* Owner Type: \* User Name: Contact Number: Email: 

The plant has not been bound to the owner, please add!

[+ Create Owner](#)

5

## Add Device/Layout

## Add Device

\* DTU Serial Numl \* Microinverter SN [+ Add Microinverter](#)[← Add Device/Layout \(test10\)](#)[✓ Devices](#)[⌚ Layout design](#)[⌚ Upload Installation Map](#)

There isn't any device in this plant, please add!

[+ Add Device](#)



## 5

## Add Device/Layout

[← Add Device/Layout \(test10\)](#)

✓ Devices

✓ Layout design

⌚ Upload Installation Map

DTU	Microinverter	Action
10F645002567	102045006321	<a href="#">✎ Edit</a>   <a href="#">🗑 Delete</a>


+ Add Device


🏠 / Plants /


← Add Device/Layout (test10)

PV Module list (Defa...  
Please input micro...  
DTU-10F645002567  
102045006321  
102045006321 - 1

Please select the automatic layout method of PV Modules







☒ Arranged in order

☐ Arranged according to DTU-defined arrangement

Cancel

OK

Cancel

Next

6

## Upload the installation map

[← Add Device/Layout \(test10\)](#)[✓ Devices](#)[✓ Layout design](#)[3 Upload Installation Map](#)

Click or drag to upload pictures

Please upload pictures in JPG, JPEG, PNG or GIF format. The size of a single file should not exceed 2MB.

[Cancel](#)[Next](#)

[← Setting](#) (test10)Enable Export Management?: ☒Export Control: ☐ Export Power Limit

Please make sure that the Meter is connected to the load side.

If your plant do not have zero export function . Please click “Next”

8

## Successfully created the station(Ordinary)

[← Setting \(test10\)](#)[Export Man...](#)[Plant Regul...](#)

Plant Name: test10

Currency Unit: Unit Electricity Price: Network select: ☒ Networking Automatically

Success

Device not connect[10F645002567]

[Go back to plant list](#)[View plant](#)

## 9

## Zero export plant setting

[← Setting](#) (test10)

Enable Export Management?:

Export Control: ☒ Export Power Limit

Please make sure that the Meter is connected to the load side.

1. Please complete the 1~7 steps firstly, then select **Enable Export Management** and **Export Control** button to complete the creation.
2. The zero export station can only be created through the webpage, not the Installer APP.

## 9

## Zero export plant setting

[← Setting \(test10\)](#)

102045006321

Set as Phase A →

Set as Phase B →

Set as Phase C →

← Cancel phase set

Phase A

102045006321

Phase B

Phase C

Cancel

save



## Please confirm

After modifying the three-phase balance configuration, the plant will be networking automatically, whether to save it?

Cancel

OK



Success

Congratulations, the operation is successful, the networking command has been issued, please wait!

[Go back to plant list](#)

[View plant](#)



— **END** —  
**THANK YOU**

Leading Solar Energy by a Trustable Way

[www.hoymiles.com](http://www.hoymiles.com)