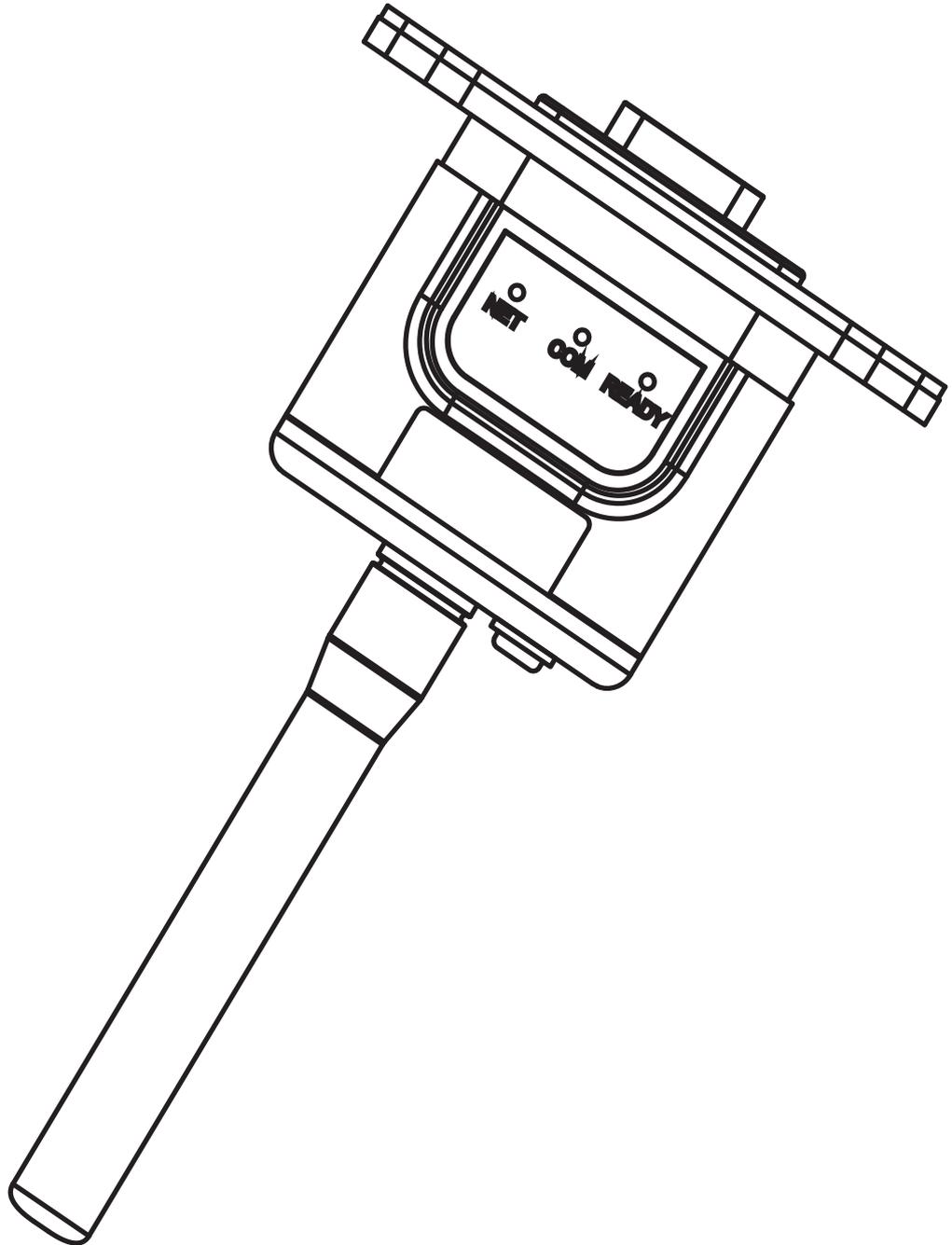


# **UTL** WIFI Logger User Manual





**Warning:**

1. Please install and remove logger after power off.
2. Reset button supports direct press. Do not remove waterproof plug.

**Notice:**

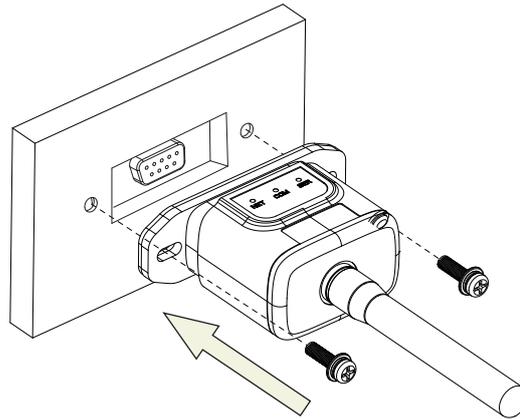
Please read this manual carefully before using products.

Due to product upgrade and other factors, the content of this manual might change from time to time. Please take actual product as standard and get latest manual from sales. Unless otherwise agreed herein, this manual will only be used as guidance. Any statement, information or suggestion in this manual will not take any form of responsibility.

Without written permission, any content of this document (partly or entirely) cannot be extracted, copied or transmitted in any form by any company or individual.

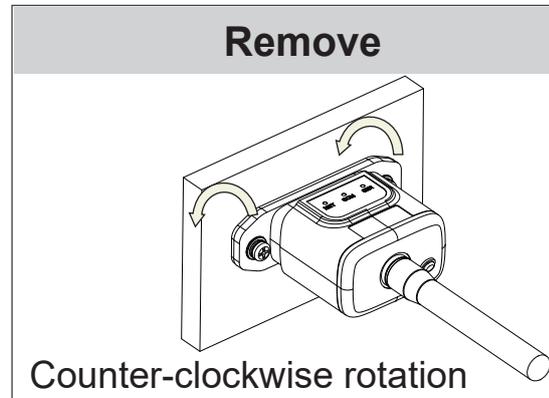
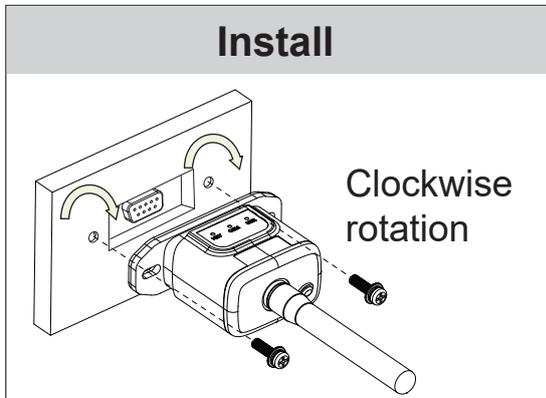
## 1. Stick logger installation

**Step1:** Assemble logger to the inverter communication interface as shown in the diagram.



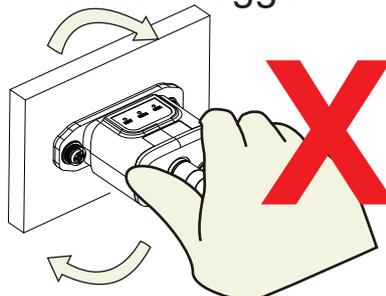
Follow the arrow direction.

## Step2: Install/Remove



### Warning:

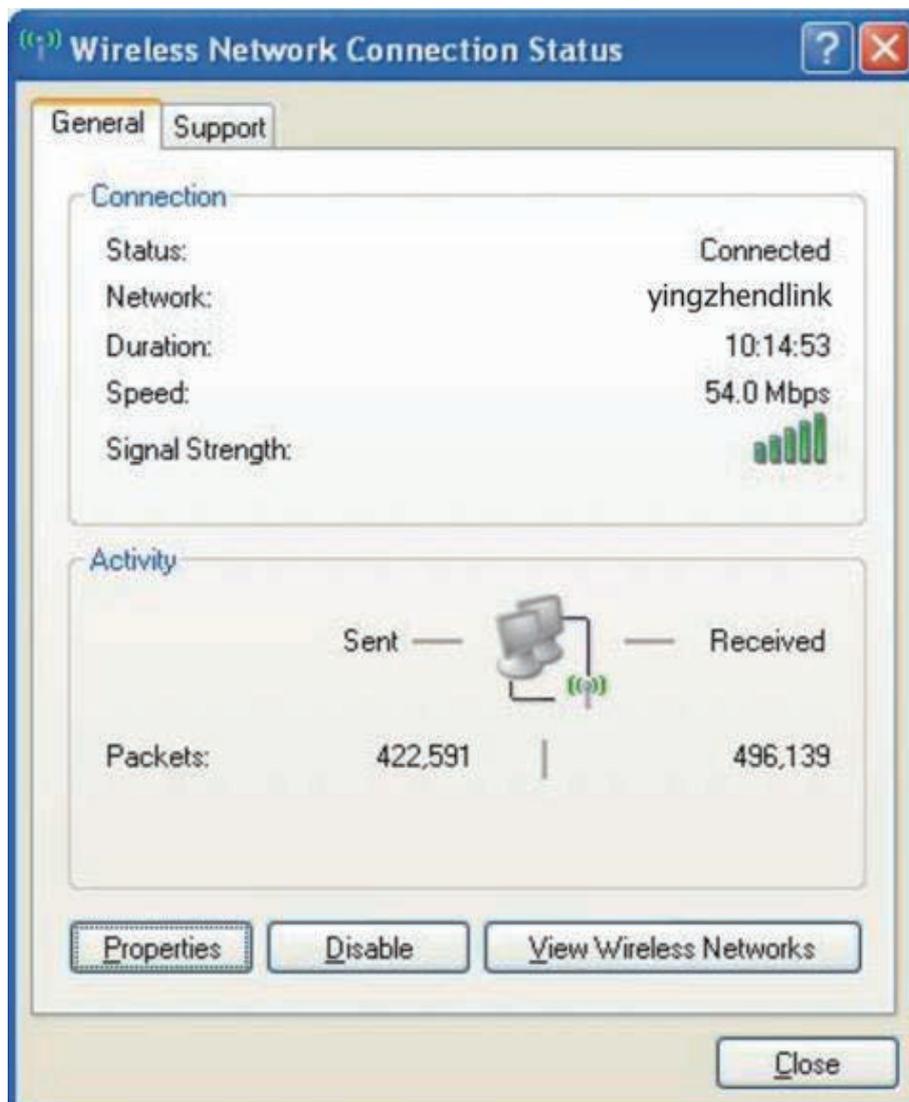
Please do not hold the logger body to rotate while install or remove the logger.



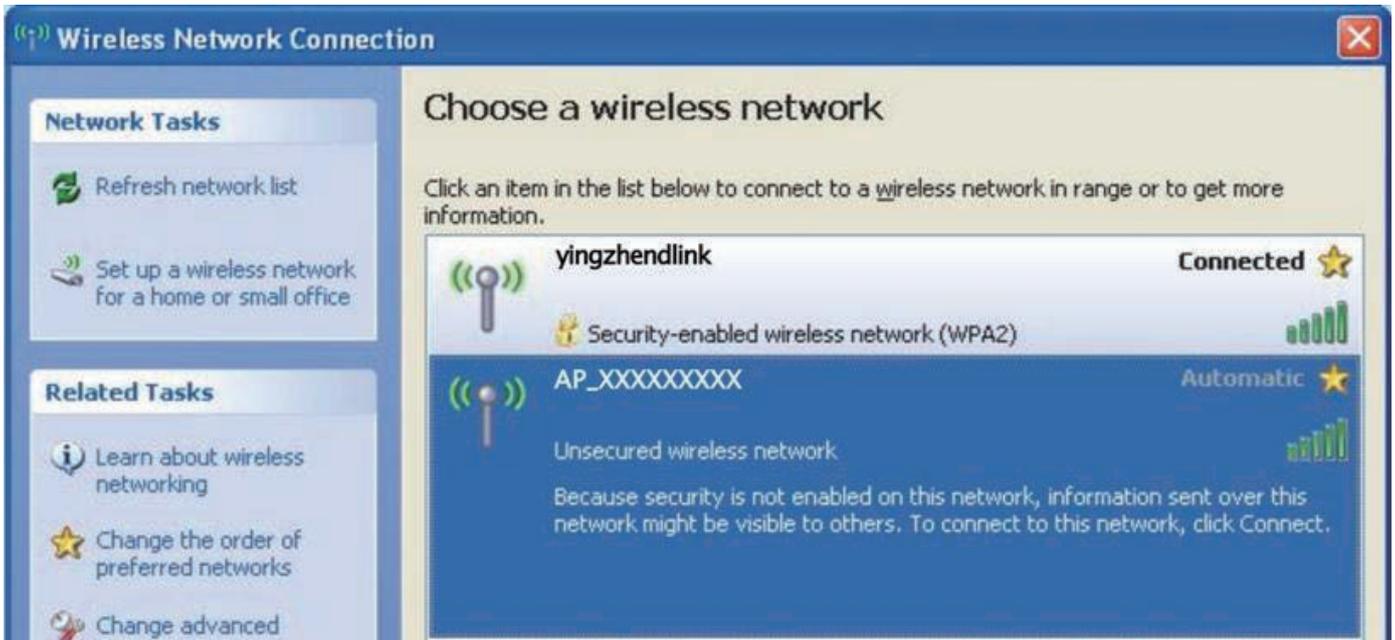
### 3. Set WiFi connection on PC

Notice: The setting hereinafter is operated with Windows XP for reference only. If other operating systems are used, please follow the corresponding procedures.

1. Prepare a computer or device with WiFi, e.g. tablet PC and smartphone with WiFi function.
2. Obtain an IP address automatically.
3. Set WiFi connection to the logger
- 3.1 Open wireless network connection and click View Wireless Networks



3.2 Select wireless network of the logger. The network name consists of AP and the serial number of the product. Input the password shown on the logger. Then click Connect.

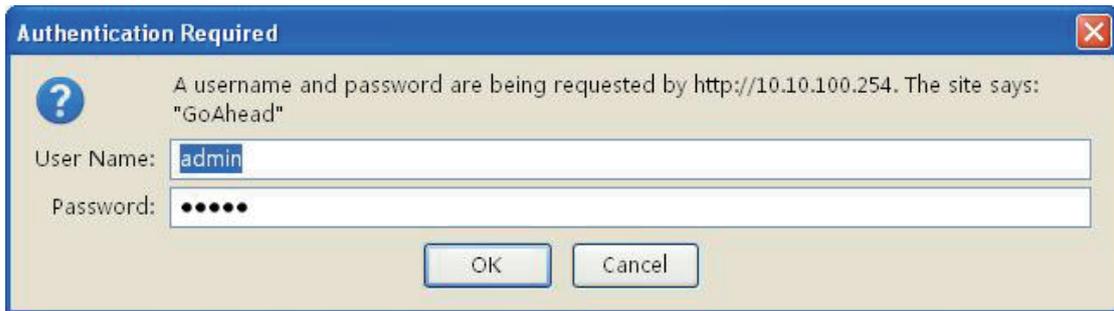
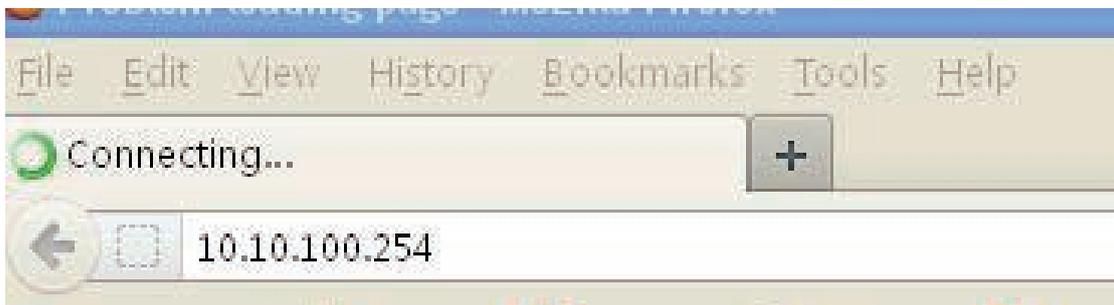


Notice: If AP\_(serial number of product) is not available in the wireless network list, there may be problems in the connection or setting of logger. Please wait several minutes to refresh the list or plug in the logger again.

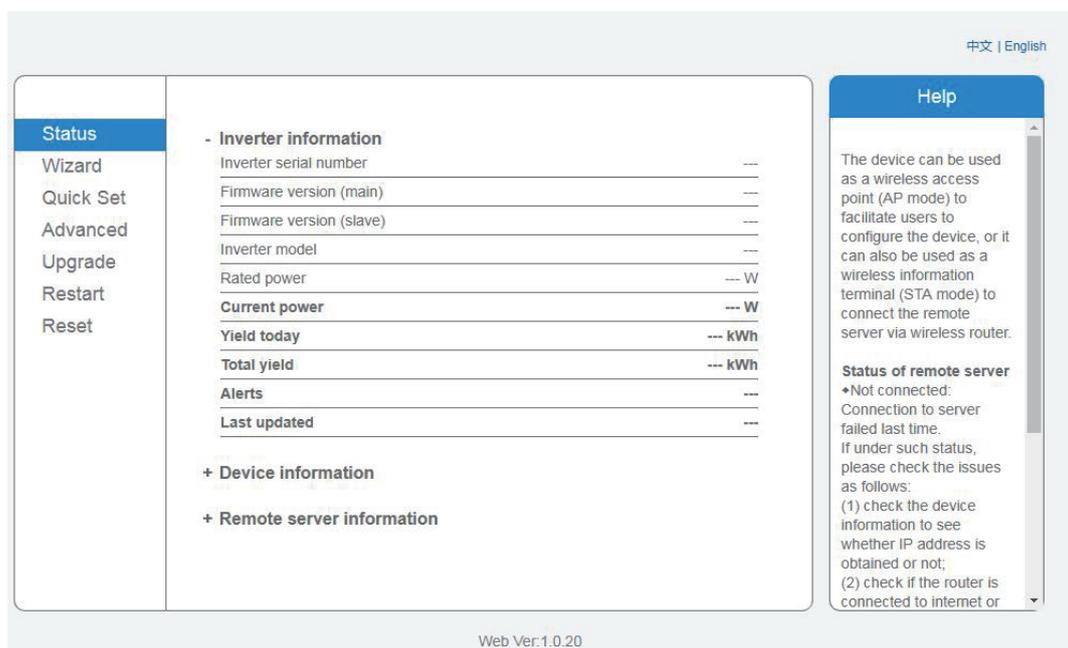
## 4. Set parameters of logger

4.1 Open a web browser, and enter 10.10.100.254, then fill in username and password, both of which are admin as default.

Recommended browsers: Internet Explorer 8+, Google Chrome 15+, Firefox 10+



4.2 In the Status page, you can view general information of the logger.



中文 | English

<b>Status</b>	<ul style="list-style-type: none"> <li>- <b>Inverter information</b> <ul style="list-style-type: none"> <li>Inverter serial number ---</li> <li>Firmware version (main) ---</li> <li>Firmware version (slave) ---</li> <li>Inverter model ---</li> <li>Rated power --- W</li> </ul> </li> <li><b>Current power</b> --- W</li> <li><b>Yield today</b> --- kWh</li> <li><b>Total yield</b> --- kWh</li> <li><b>Alerts</b> ---</li> <li><b>Last updated</b> ---</li> </ul>
Wizard	
Quick Set	
Advanced	
Upgrade	
Restart	
Reset	

+ 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.

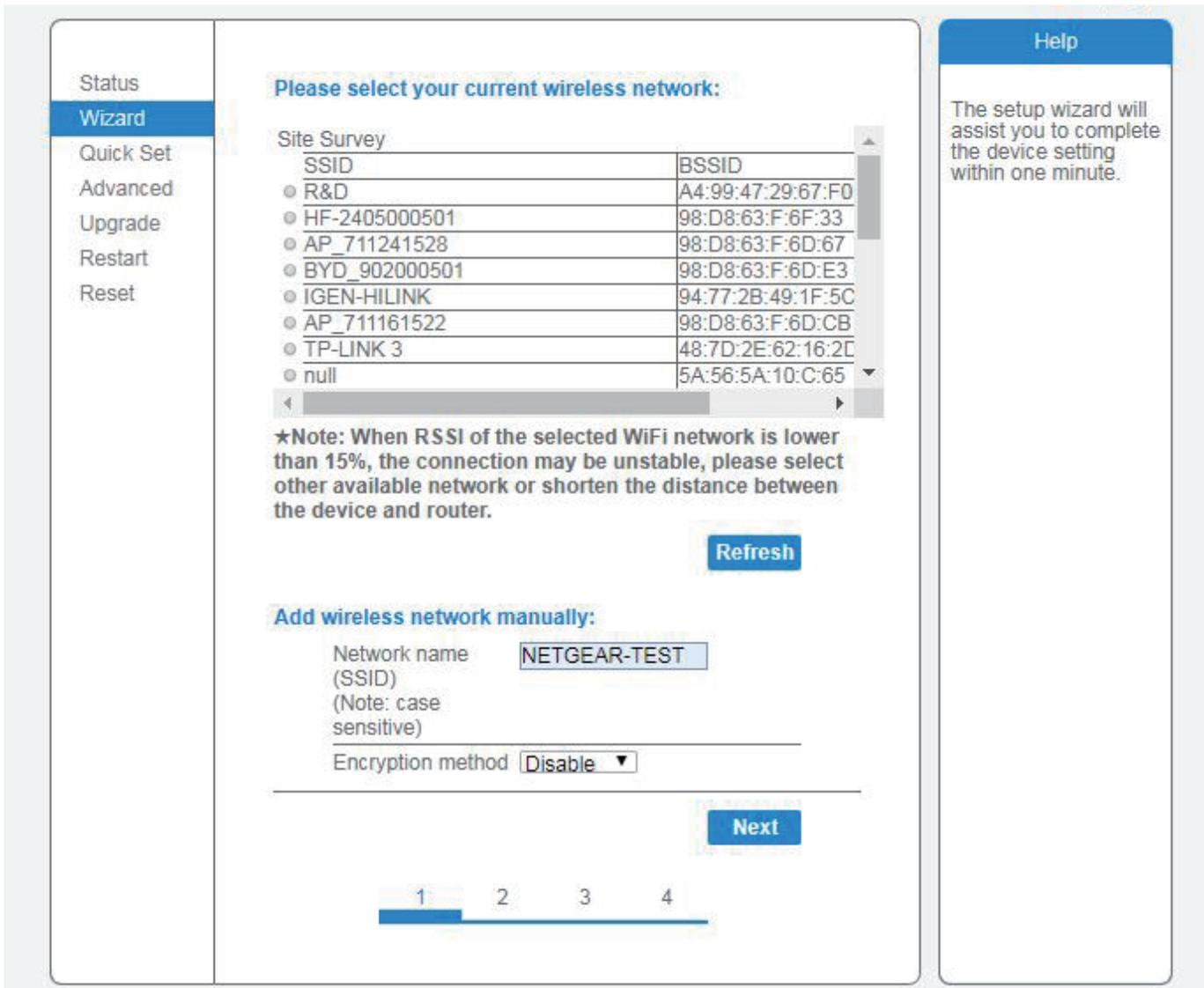
**Status of remote server**

◆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 connected to internet or

Web Ver:1.0.20

### 4.3 Follow the setup wizard to start quick setting.

(a) Click Wizard to start. Select the wireless network you need to connect, then click Next



Status

Wizard

Quick Set

Advanced

Upgrade

Restart

Reset

**Please select your current wireless network:**

Site Survey

SSID	BSSID
<input type="radio"/> R&D	A4:99:47:29:67:F0
<input type="radio"/> HF-2405000501	98:D8:63:F:6F:33
<input type="radio"/> AP_711241528	98:D8:63:F:6D:67
<input type="radio"/> BYD_902000501	98:D8:63:F:6D:E3
<input type="radio"/> IGEN-HILINK	94:77:2B:49:1F:5C
<input type="radio"/> AP_711161522	98:D8:63:F:6D:CB
<input type="radio"/> TP-LINK 3	48:7D:2E:62:16:2C
<input type="radio"/> null	5A:56:5A:10:C:65

★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

Next

1 2 3 4

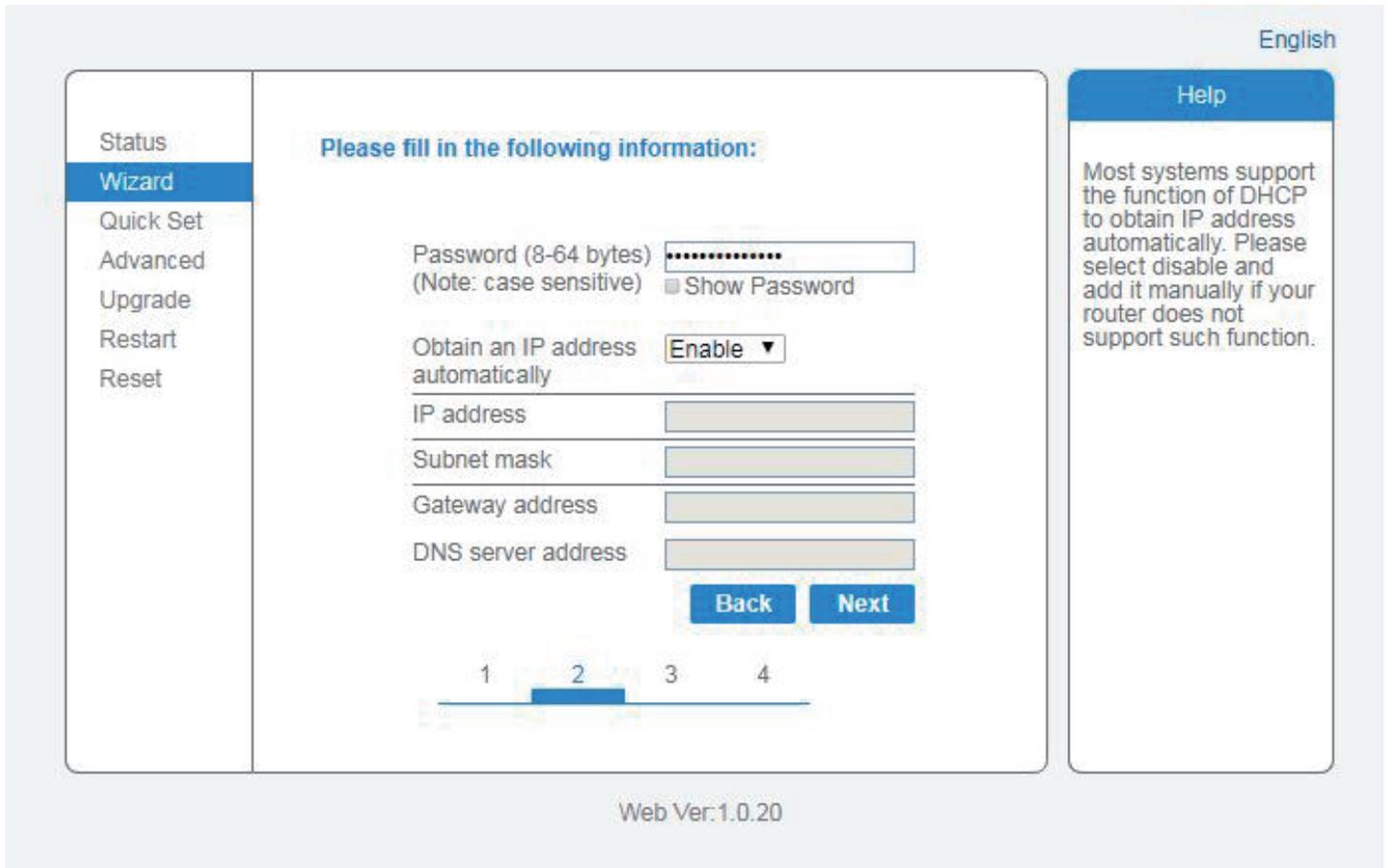
Help

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

Notice: If the signal strength (RSSI) of the selected network is <15%, which means unstable connection, please adjust the antenna of the router, or use a repeater to enhance the signal.

The SSID of your selected router network should be less than 30 characters, in which blank space should not be included.

(b) Enter the password for the selected network, select Enable to obtain an IP address automatically, then click Next



English

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

1 2 3 4

Help

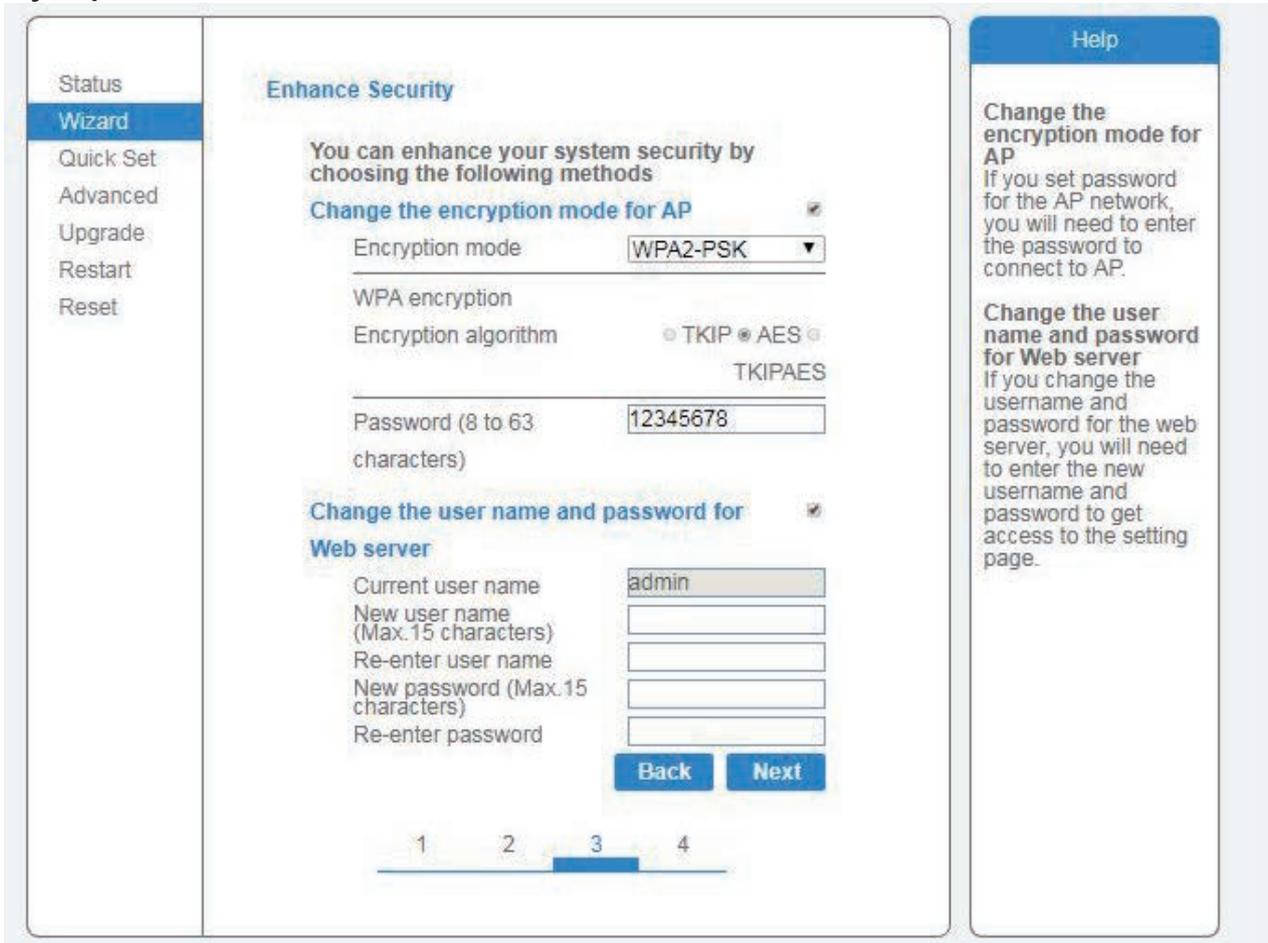
Most systems support the function of DHCP to obtain IP address automatically. Please select disable and add it manually if your router does not support such function.

Web Ver:1.0.20

Notice: Router password cannot be recognized if it contains any character such as '&', '#', '%', and blank space.

The password is being verified, please wait for a while. If you have entered an invalid password or encryption method, an error notice will pop up.

(c) Enhance security settings of the WiFi logger by selecting any options as listed, then click Next



The screenshot shows the 'Enhance Security' configuration page. On the left is a navigation menu with 'Wizard' selected. The main content area is titled 'Enhance Security' and contains two sections:

- Change the encryption mode for AP** (checked):
  - Encryption mode: WPA2-PSK
  - WPA encryption: TKIP (selected), AES (selected), TKIPAES
  - Password (8 to 63 characters): 12345678
- Change the user name and password for Web server** (checked):
  - Current user name: admin
  - New user name (Max. 15 characters): [empty]
  - Re-enter user name: [empty]
  - New password (Max. 15 characters): [empty]
  - Re-enter password: [empty]

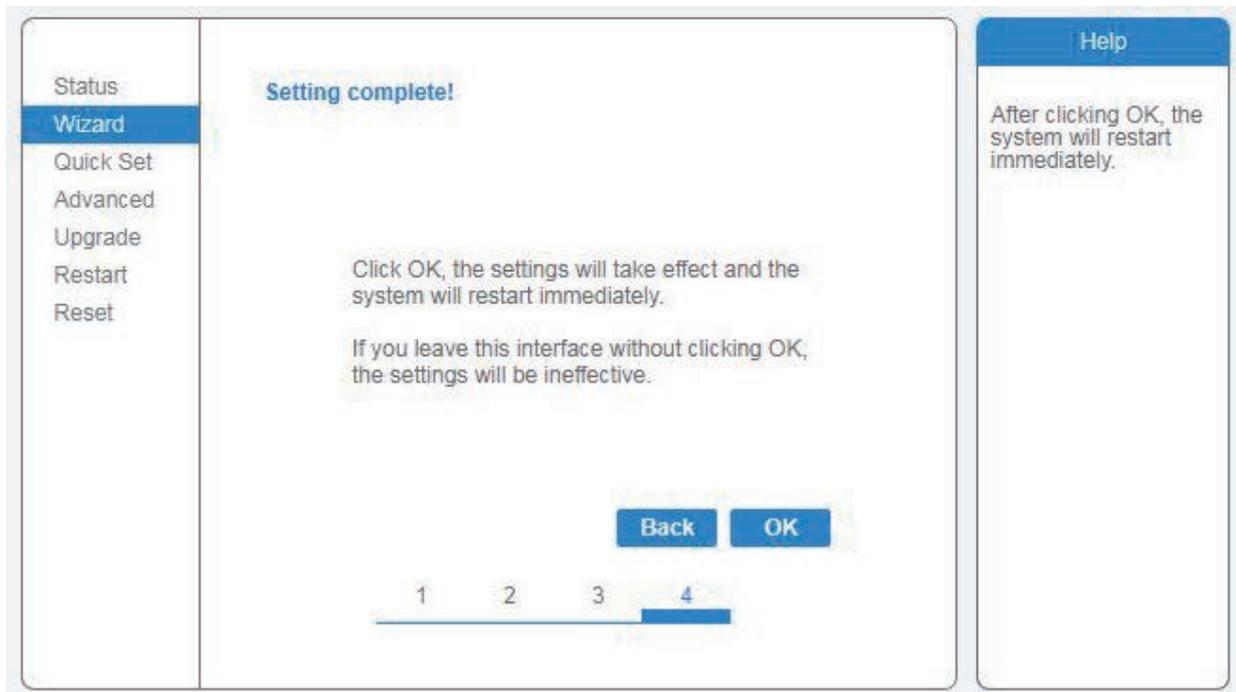
At the bottom, there are 'Back' and 'Next' buttons, and a progress indicator showing step 3 of 4 is active.

**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.

(d) If setting is successful, the following page will display. Click OK to restart.



The screenshot shows the 'Setting complete!' confirmation page. On the left is the same navigation menu. The main content area contains the following text:

**Setting complete!**

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

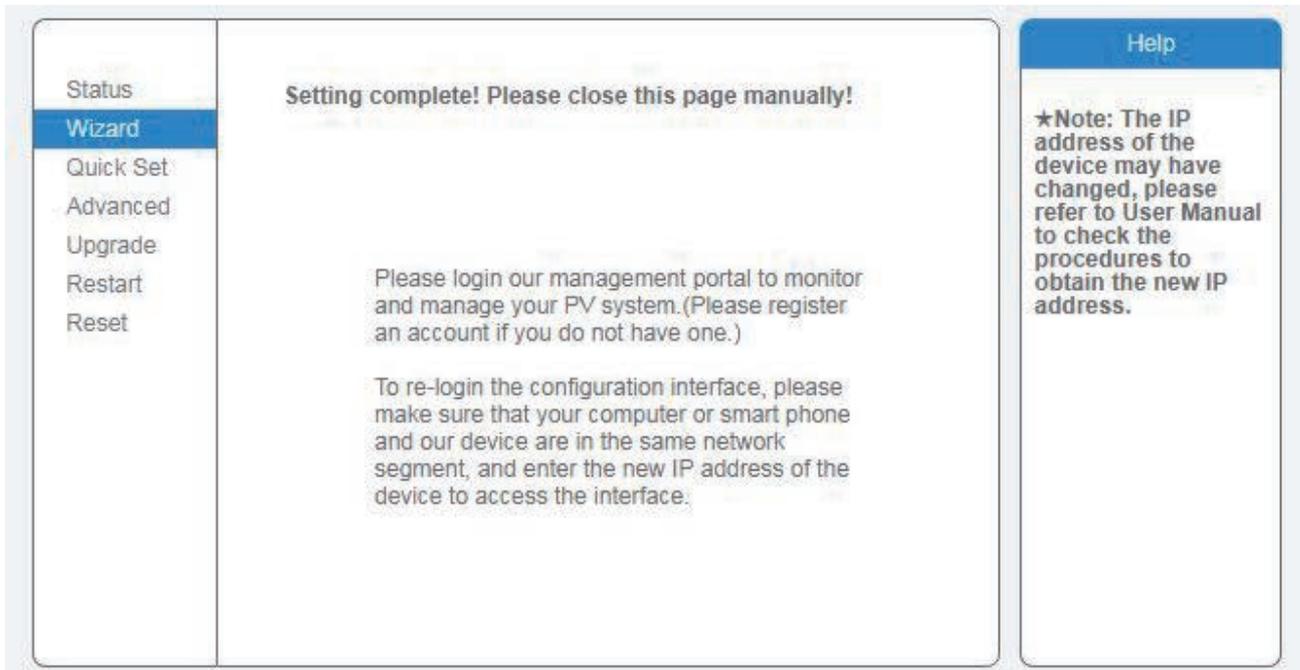
If you leave this interface without clicking OK, the settings will be ineffective.

At the bottom, there are 'Back' and 'OK' buttons, and a progress indicator showing step 4 of 4 is active.

**Help**

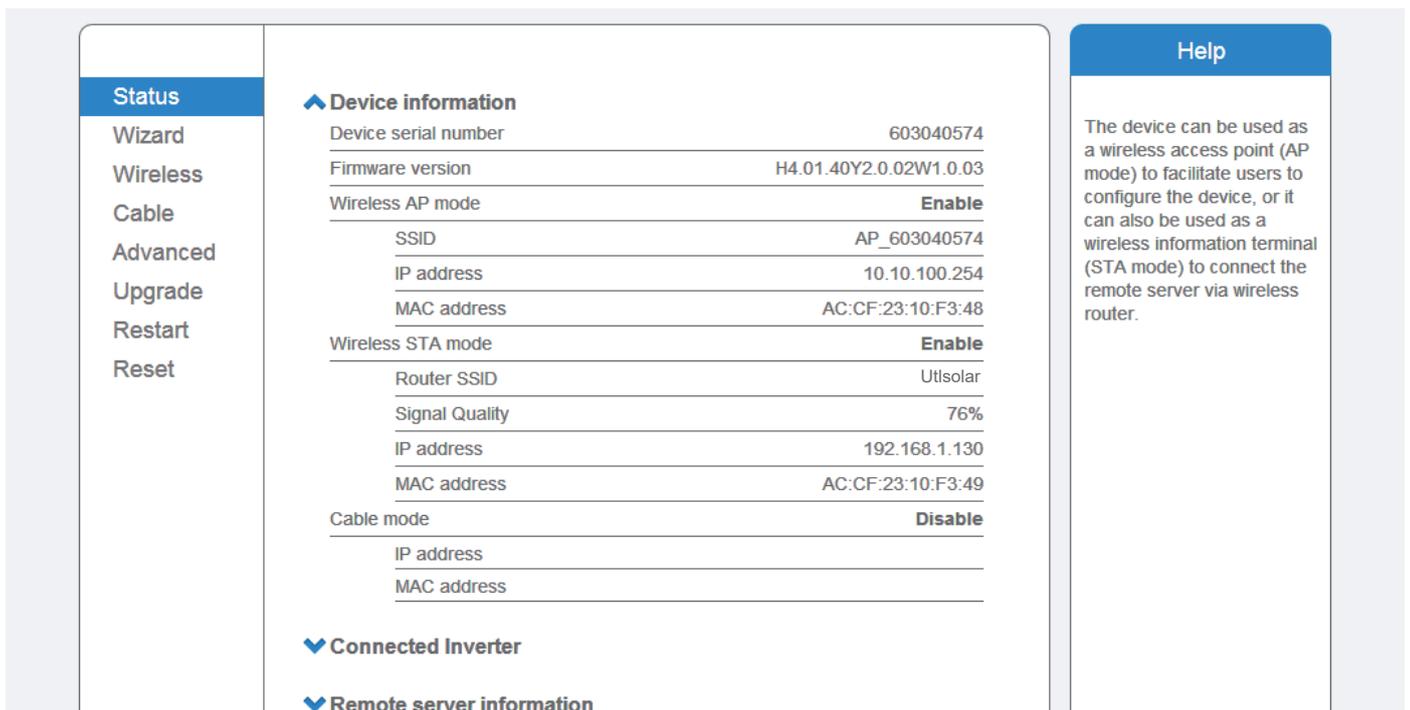
After clicking OK, the system will restart immediately.

(e) If restart is successful, the following page will display. If this page does not display automatically, please refresh your browser.



The screenshot shows a web interface with a left sidebar containing menu items: Status, Wizard (highlighted), Quick Set, Advanced, Upgrade, Restart, and Reset. The main content area displays a message: "Setting complete! Please close this page manually!" followed by instructions to login to the management portal and re-login to the configuration interface. A right sidebar contains a "Help" section with 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."

(f) Re- log in this setting page to Status page after the Web server restart, and check the network connection status of the logger.



The screenshot shows the 'Status' page of the UTL Solar management portal. The left sidebar has menu items: Status (highlighted), Wizard, Wireless, Cable, Advanced, Upgrade, Restart, and Reset. The main content area is titled "Device information" and lists various system parameters:

Device serial number	603040574
Firmware version	H4.01.40Y2.0.02W1.0.03
Wireless AP mode	Enable
SSID	AP_603040574
IP address	10.10.100.254
MAC address	AC:CF:23:10:F3:48
Wireless STA mode	Enable
Router SSID	UtlSolar
Signal Quality	76%
IP address	192.168.1.130
MAC address	AC:CF:23:10:F3:49
Cable mode	Disable
IP address	
MAC address	

Below the device information, there are sections for "Connected Inverter" and "Remote server information", both currently collapsed. The right sidebar contains a "Help" section with text: "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."

Notice: After network setting is complete, the Wireless AP mode should be enabled and relative information of your router will display on the interface automatically. Besides the Remote server A should be connected.

If you meet any problems and need support, please provide the screenshot of the status page as shown below.

Status			
Wizard			
Quick Set			
Advanced			
Upgrade			
Restart			
Reset			
	<b>- Inverter information</b>		
	Inverter serial number		---
	Firmware version (main)		---
	Firmware version (slave)		---
	Inverter model		---
	Rated power		--- W
	Current power		--- W
	Yield today		--- kWh
	Total yield		--- kWh
	Alerts		---
	Last updated		---
	<b>- Device information</b>		
	Device serial number	515290981	
	Firmware version	LSW3_10_5406_1.16_MW3	
	Wireless AP mode		<b>Enable</b>
	SSID	AP_515290981	
	IP address	10.10.100.254	
	MAC address	f0:fe:6b:fa:6d:df	
	Wireless STA mode		<b>Disable</b>
	Router SSID		
	Signal Quality		
	IP address		
	MAC address		
	<b>- Remote server information</b>		
	Remote server A		Not connected
	Remote server B		Not connected

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.

## 5. Logger Status

### 5.1 Check Indicator light

Lights	Implication	Status Description(All lights are single green lights.)
	Communication with router	1. Light off: Connection to router failed. 2. On 1s/Off 1s(Slow flash): Connection to router is successful. 3. Light keeps on: Connection to server is successful. 4. On 100ms/Off 100ms(Fast flash): Fast setting network.
	Communication with inverter	1. Light keeps on: Logger connected to inverter. 2. Light off: Connection to inverter failed. 3. On 1s/Off 1s(Slow flash): Communicating with inverter
	Logger running status	1. Light off: Running abnormally. 2. On 1s/Off 1s (Slow flash): Running normally. 3. On 100ms/Off 100ms(Fast flash): Restore factory settings.

**Normal operation status of the stick logger is as follows, when router connected to the network normally:**

1. Connection to server is successful: NET light keeps on after the logger powered on.
2. Logger is running normally: READY light flashes.
3. Connection to inverter is successful: COM light keeps on.

## 6. Troubleshooting

If the data on platform is abnormal when the stick logger is running, please check the status of indicator lights according to the table below for simple troubleshooting. If problems still cannot be solved or indicator lights status is different from the table below, please contact Customer Support.

(Note: Please wait for at least 2 minutes after logger is powered on)

NET ● NET	COM ● COM	READY ● READY	Fault Description	Fault Cause	Solution
Any state	OFF	Slow flash	Communication with inverter abnormal	<ol style="list-style-type: none"> <li>1. Connection between stick logger and inverter is loose.</li> <li>2. Inverter does not match with stick logger's communication rate.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check the connection between stick logger and inverter. Remove the stick logger and install again.</li> <li>2. Check inverter's communication rate to see if it matches with stick logger's.</li> <li>3. Long press Reset button for 5s, reboot stick logger.</li> </ol>
OFF	ON	Slow flash	Connection between logger and router abnormal	<ol style="list-style-type: none"> <li>1. Stick logger does not connect to network.</li> <li>2. Antenna abnormal</li> <li>3. Router's WiFi signal strength is weak.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check if the wireless network is configured.</li> <li>2. Check if the antenna is damage or loose.</li> <li>3. Enhance router's WiFi signal strength.</li> <li>4. Long press Reset button for 10s, reboot stick logger and networking again.</li> </ol>
Slow flash	ON	Slow flash	Connection between logger and router normal, connection between logger and remote server abnormal.	<ol style="list-style-type: none"> <li>1. Router's networking abnormal.</li> <li>2. The server point of logger is modified.</li> <li>3. Network is limited, server cannot be connected.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check if the router has access to the network.</li> <li>2. Check the router's setting to see if the connection is limited.</li> <li>3. Contact our customer service.</li> </ol>

NET 	COM 	READY 	Fault Description	Fault Cause	Solution
OFF	OFF	OFF	Power supply abnormal	<ol style="list-style-type: none"> <li>1. Connection between stick logger and inverter is loose or abnormal.</li> <li>2. Power supply from inverter is in-sufficient.</li> <li>3. Stick Logger abnormal.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check the connection, remove the stick logger and install again.</li> <li>2. Check inverter output power.</li> <li>3. Contact our customer service.</li> </ol>
Any state	Any state	Fast flash	Restore factory settings	Normal	<ol style="list-style-type: none"> <li>1.Exit automatically after 1mins.</li> <li>2.Long press Reset button for 5s, reboot stick logger.</li> <li>3.Long press Reset button for 10s, restore factory settings.</li> </ol>



**Warning: Please make sure the stick logger is working properly before you leave the site. If there is anything abnormal, please do not leave the site and contact customer service (+91-8510 885 885) at the first time.**

If you have any technical queries about our products, please contact us and provide the following information:

1. Product model and serial number of stick logger.
2. Product model and serial number of connected inverter.

# USER MANUAL FOR **UTL SOLAR** APP



## 1. Download **UTL SOLAR** APP

1. Scan QR code below to download (Use only for Android).



2. Go to the link and download the app '**UTL Solar**'.

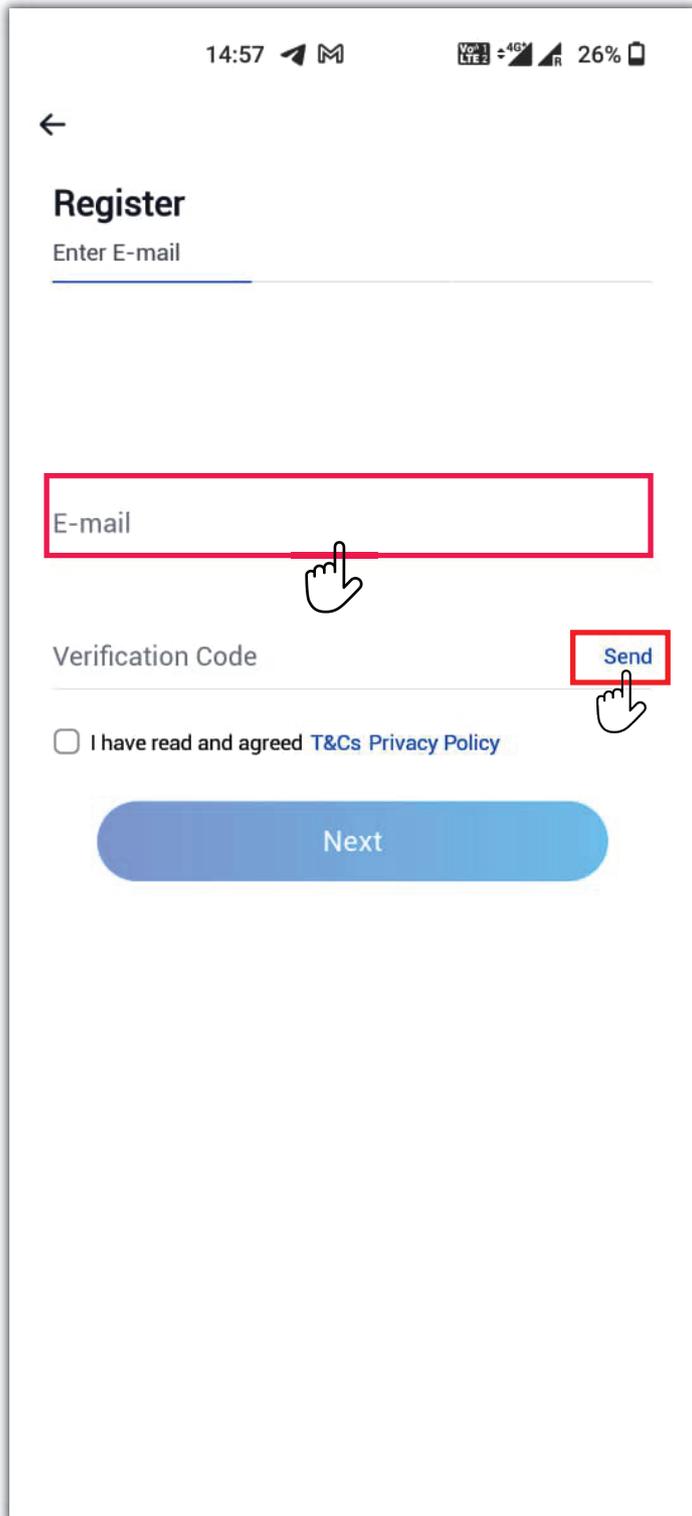
Link :- <https://www.upsinverter.com/wp-content/uploads/UTLSOLAR.apk>

## 2. Registration Process

Note :- 1. Enter email id and click of send.

2. A verification code will send your mentioned email id and put it here within the 60s.

3. If it fails then again click on send and repeat the process.



14:57

Register

Enter E-mail

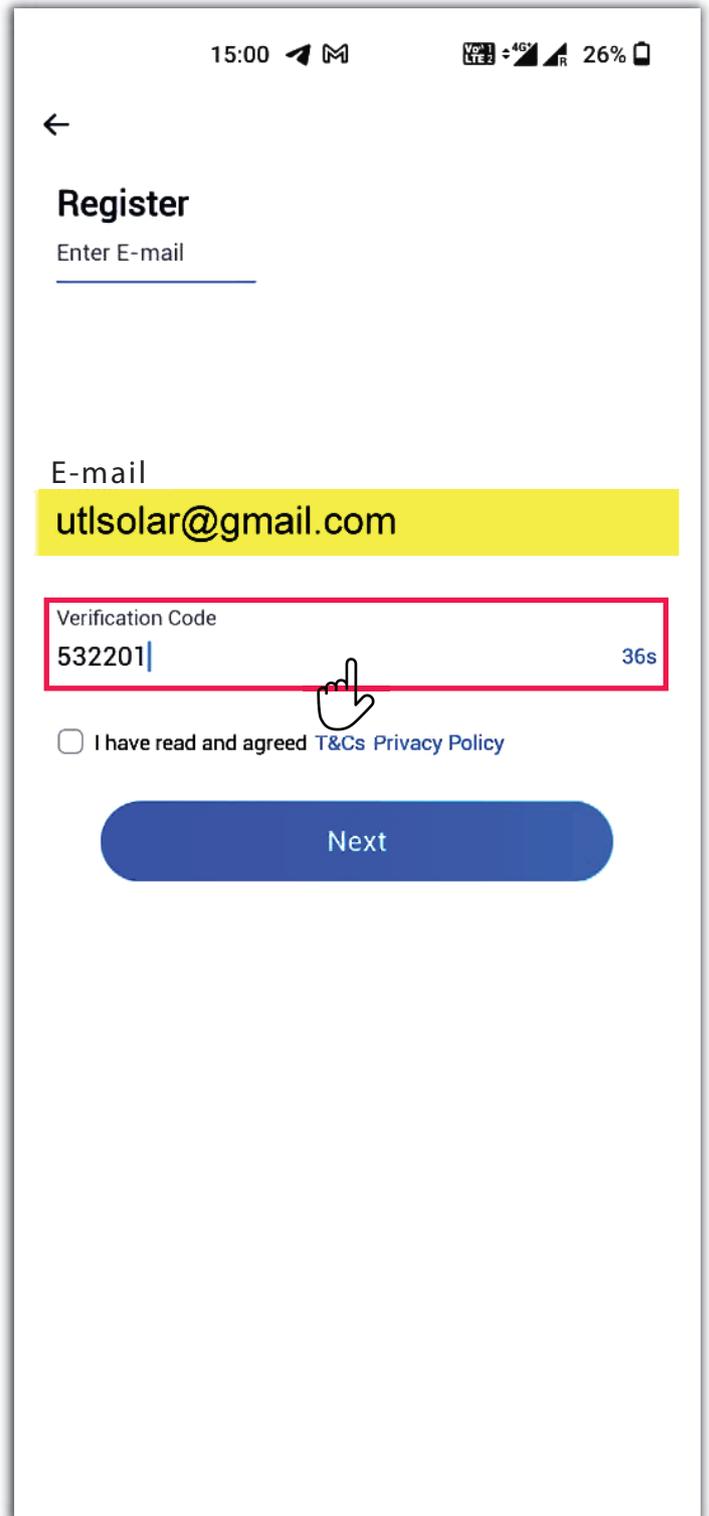
E-mail

Verification Code

I have read and agreed [T&Cs](#) [Privacy Policy](#)

Send

Next



15:00

Register

Enter E-mail

E-mail

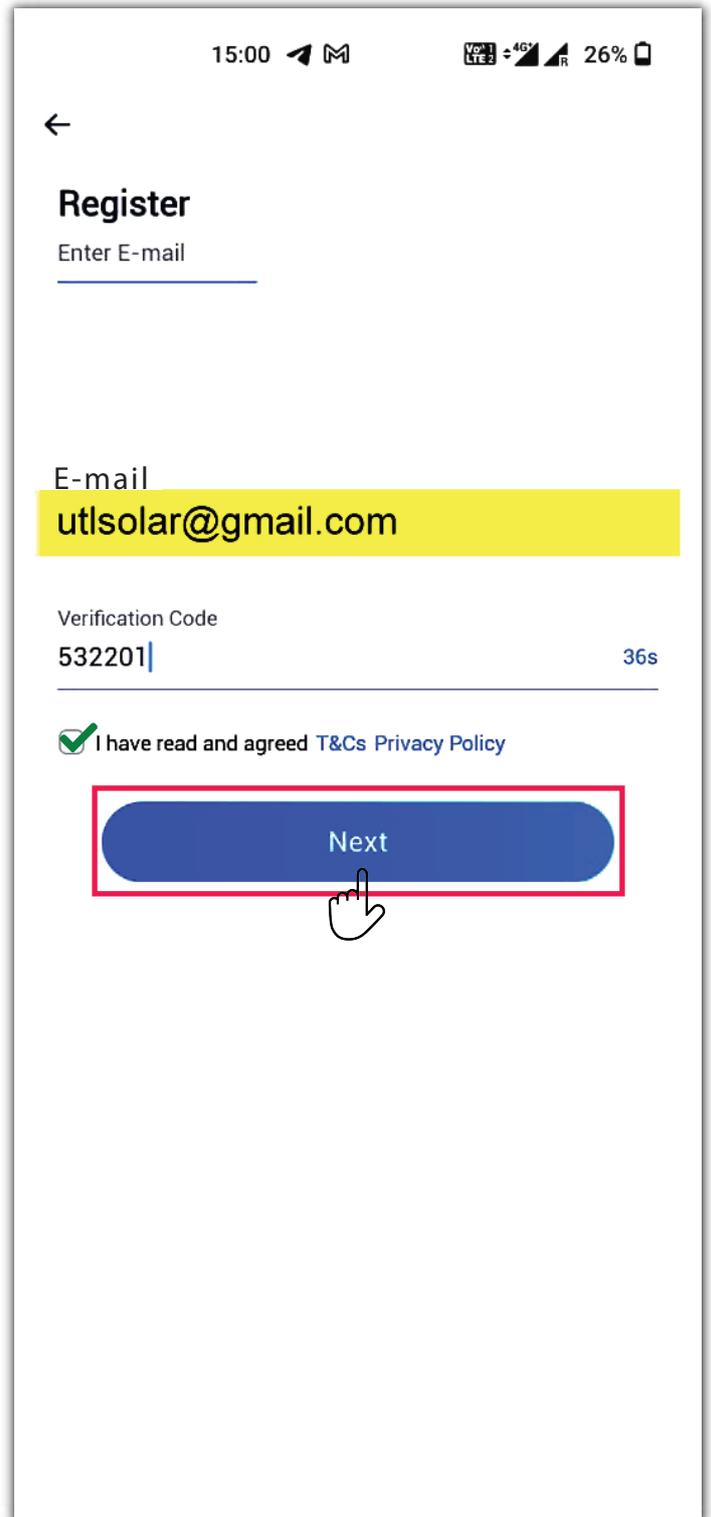
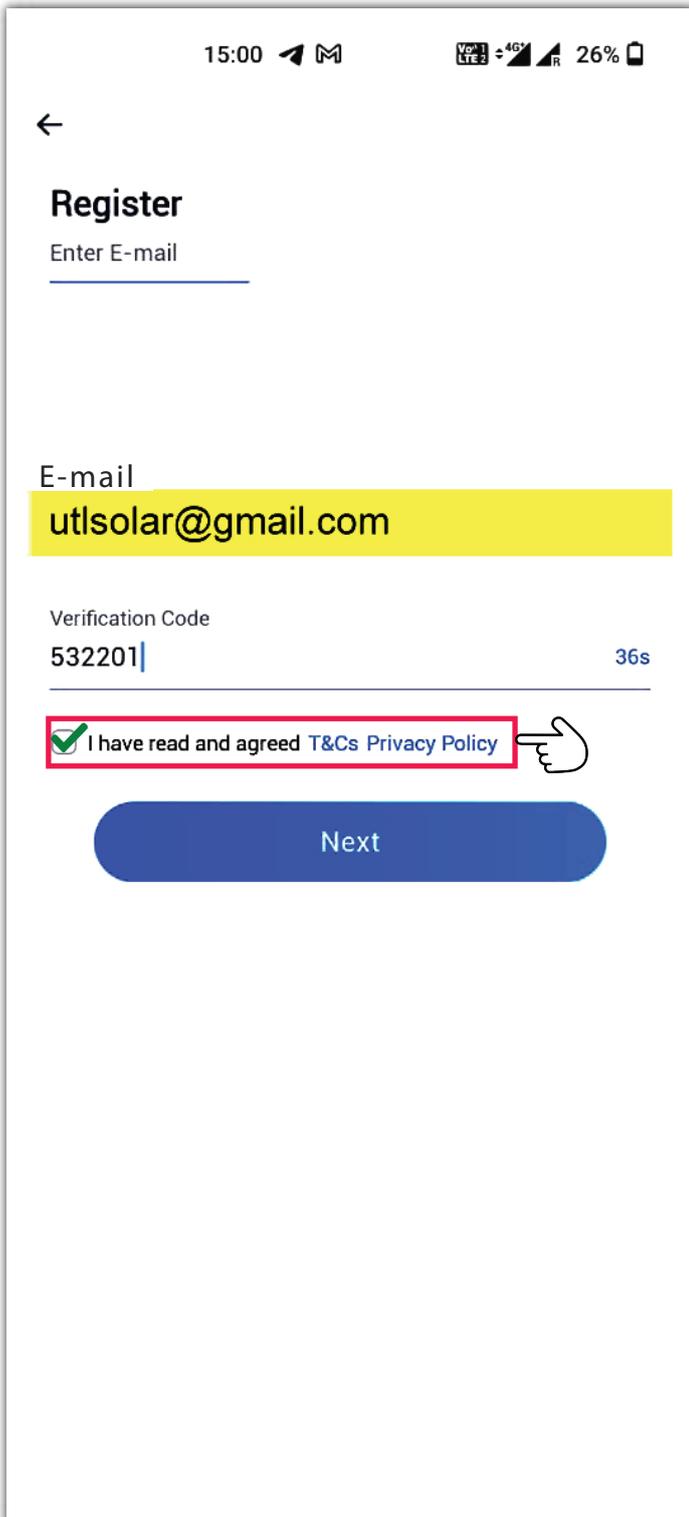
utlsolar@gmail.com

Verification Code

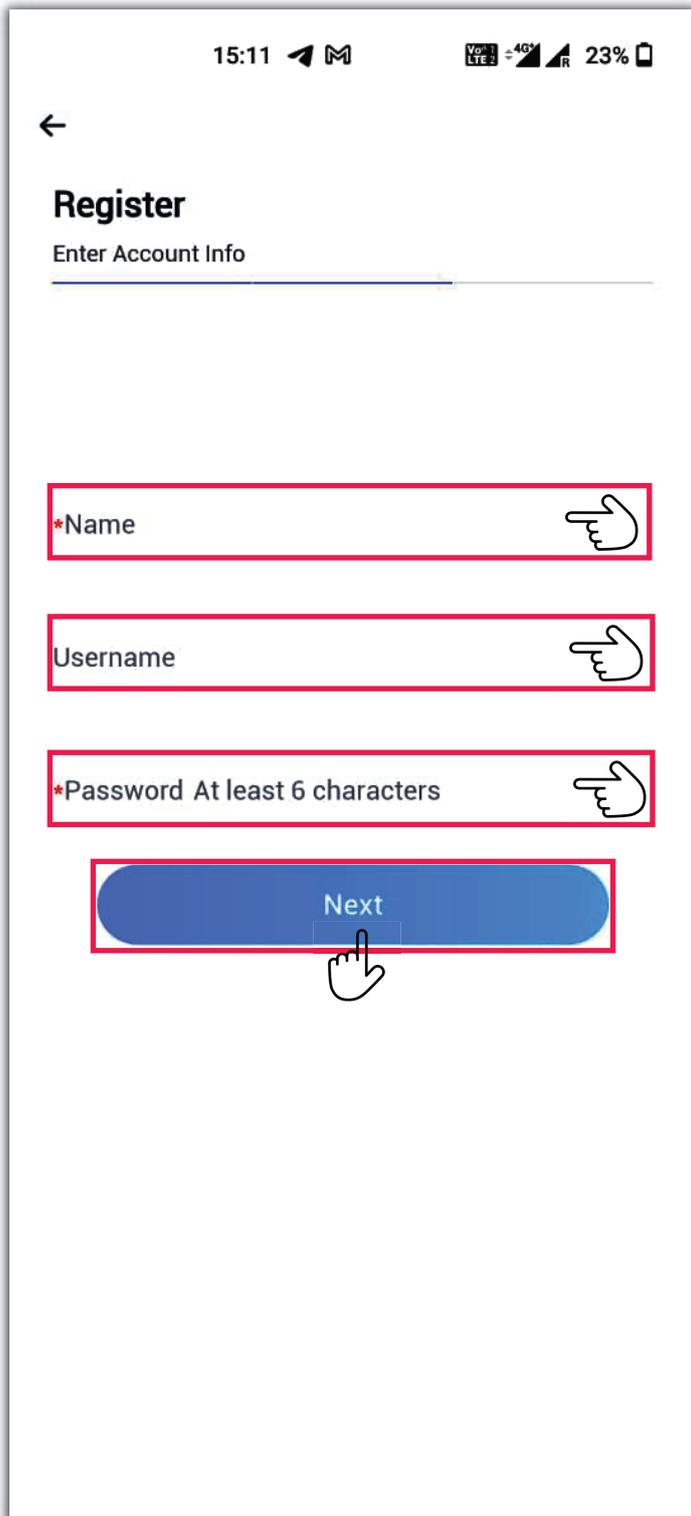
532201 36s

I have read and agreed [T&Cs](#) [Privacy Policy](#)

Next



Note:- Fill the all details before click of next first take a screenshot to remember the username and their password.



15:11 15:11 M VoLTE 4G 23%

←

## Register

Enter Account Info

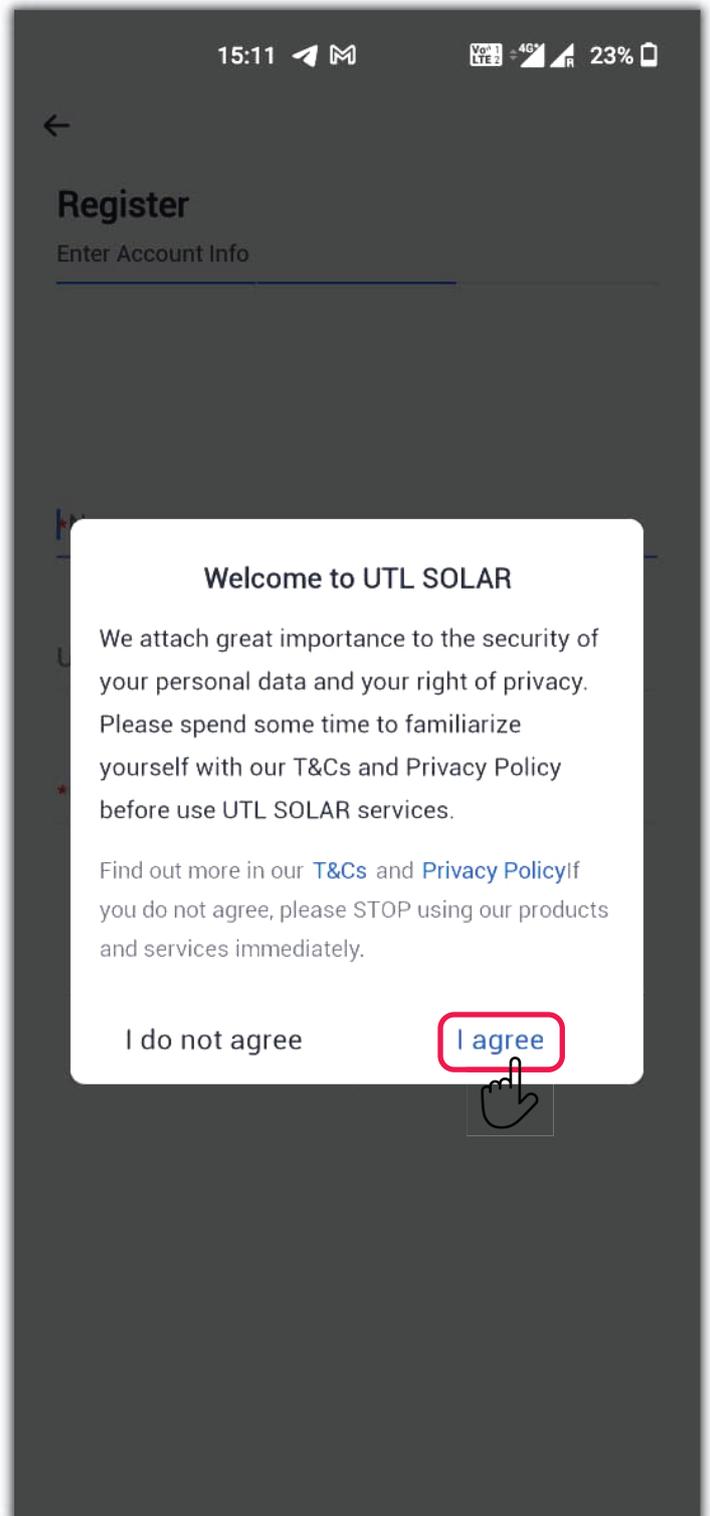
---

\*Name 

Username 

\*Password At least 6 characters 

Next 



15:11 15:11 M VoLTE 4G 23%

←

## Register

Enter Account Info

---

**Welcome to UTL SOLAR**

We attach great importance to the security of your personal data and your right of privacy. Please spend some time to familiarize yourself with our T&Cs and Privacy Policy before use UTL SOLAR services.

Find out more in our [T&Cs](#) and [Privacy Policy](#) if you do not agree, please STOP using our products and services immediately.

I do not agree **I agree** 

15:00    4G   26% 

←

## Register

Enter Business Info

The system finds that your individual account has been registered in Singhg business account. [Click here](#) You can login directly or create a new business account. Please make sure the new business account and password is in consistent with your individual account.

**Business Type** Enterprise >

\*Business Name  Enter Business Name >

Business Area >

Type Installation O&M Provider >

Next

15:02    4G   25% 

← **Select Business Type**

Enterprise

**Individual** ✓ 

15:00    4G   26% 



## Register

Enter Business Info

---

The system finds that your individual account has been registered in Singhg business account. [Click here](#) You can login directly or create a new business account. Please make sure the new business account and password is in consistent with your individual account.

Business Type Enterprise >

**\*Business Name** Enter Business Name >

Business Area >

Type Installation O&M Provider >



15:02    4G   25% 

Cancel Edit Business Name Save

---

Business Name(English)  
 

Business Name  
Please enter business name

Business Name(Português)  
Please enter business name

Business Name(Español)  
Please enter business name

Business Name(Nederlands)  
Please enter business name

Business Name(Polski)  
Please enter business name

Business Name(Français)  
Please enter business name

Business Name  
Please enter business name

Business Name(Tiếng Việt)  
Please enter business name

15:00   4G  26% 

←

## Register

Enter Business Info

The system finds that your individual account has been registered in Singhg business account. [Click here](#) You can login directly or create a new business account. Please make sure the new business account and password is in consistent with your individual account.

Business Type Enterprise >

\*Business Name Enter Business Name >

**Business Area** >

Type Installation O&M Provider >

[Next](#)

15:05   4G  25% 

← **Select Business Area**

Heard Island and McDonald Islands

Honduras

Hungary

Iceland

**India** 

Indonesia

Iran

Iraq

Ireland

Isle of Man

Israel

Italy

Jamaica

Japan

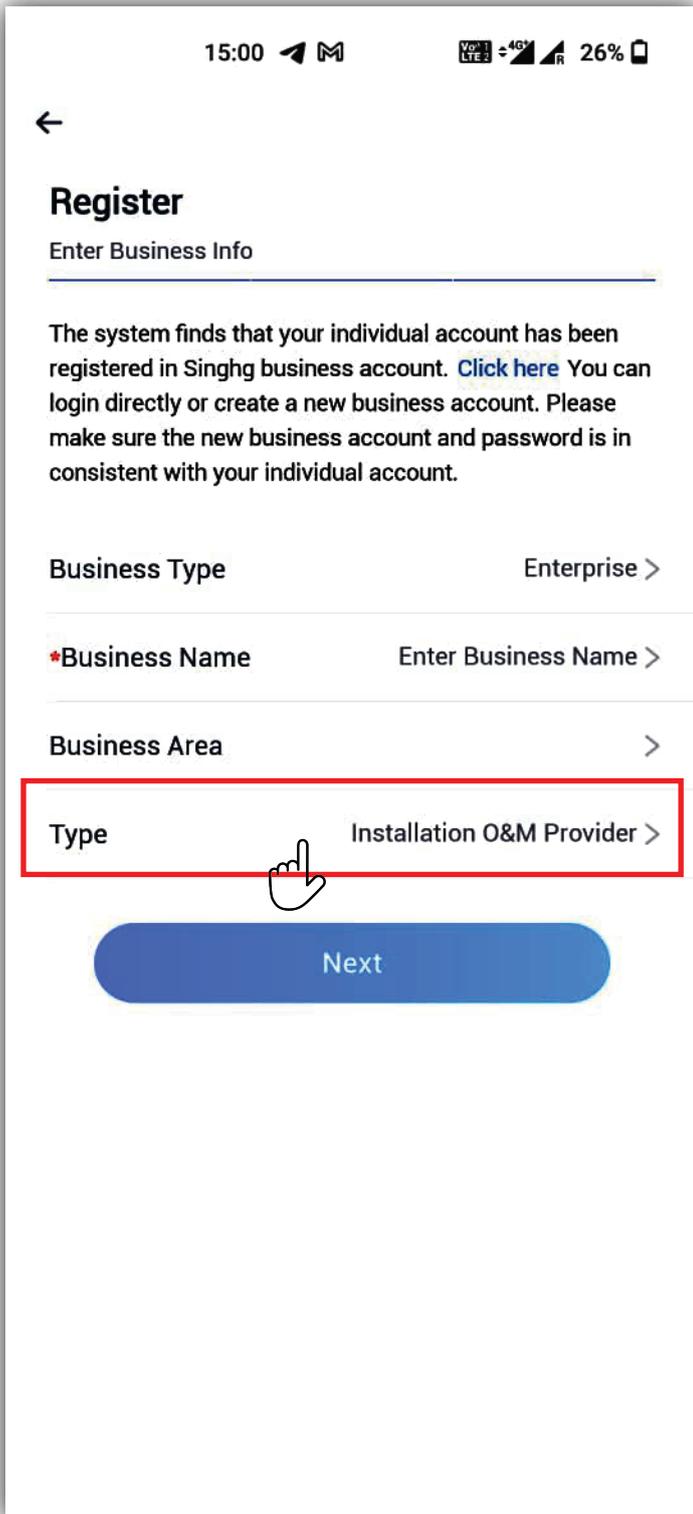
Jersey

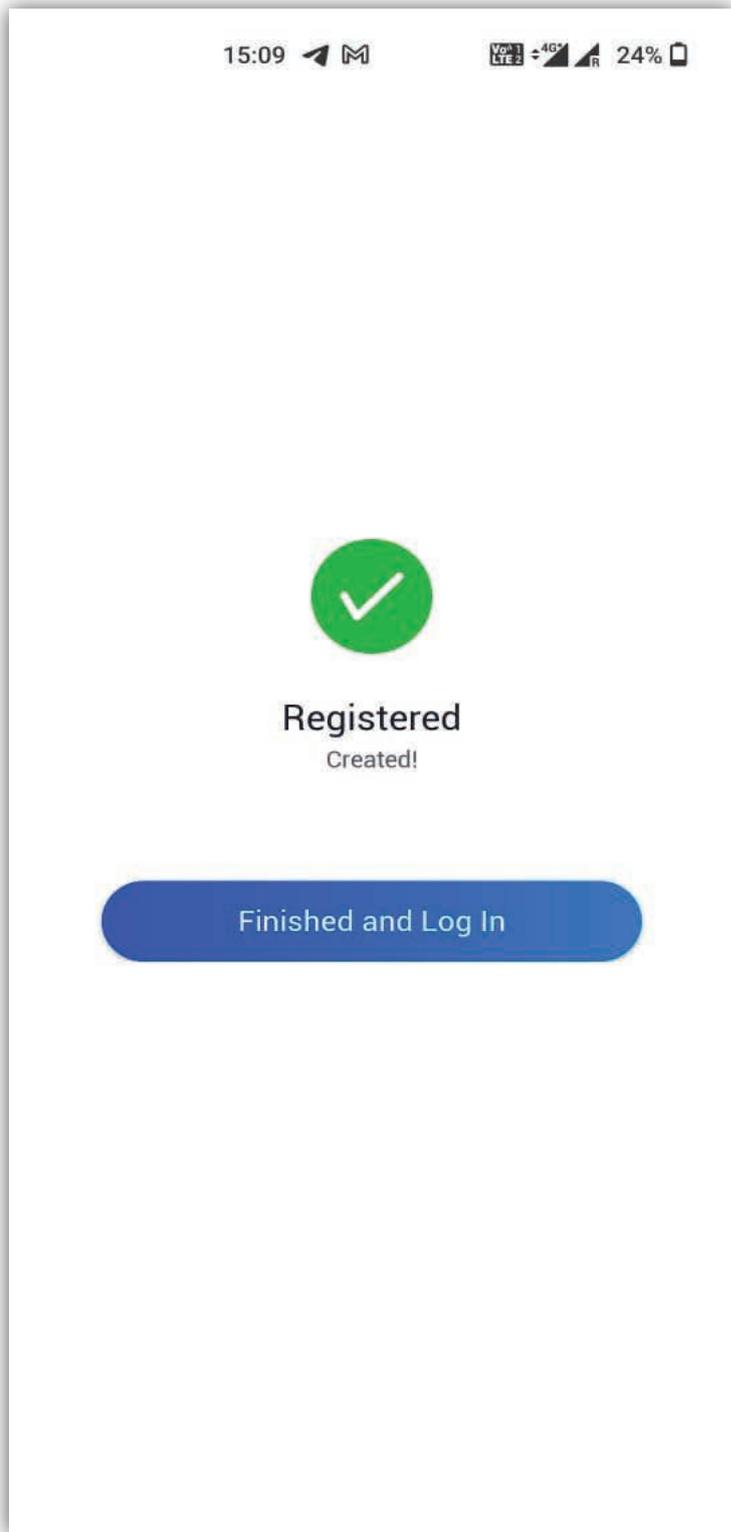
Jordan

Kazakhstan

Kenya

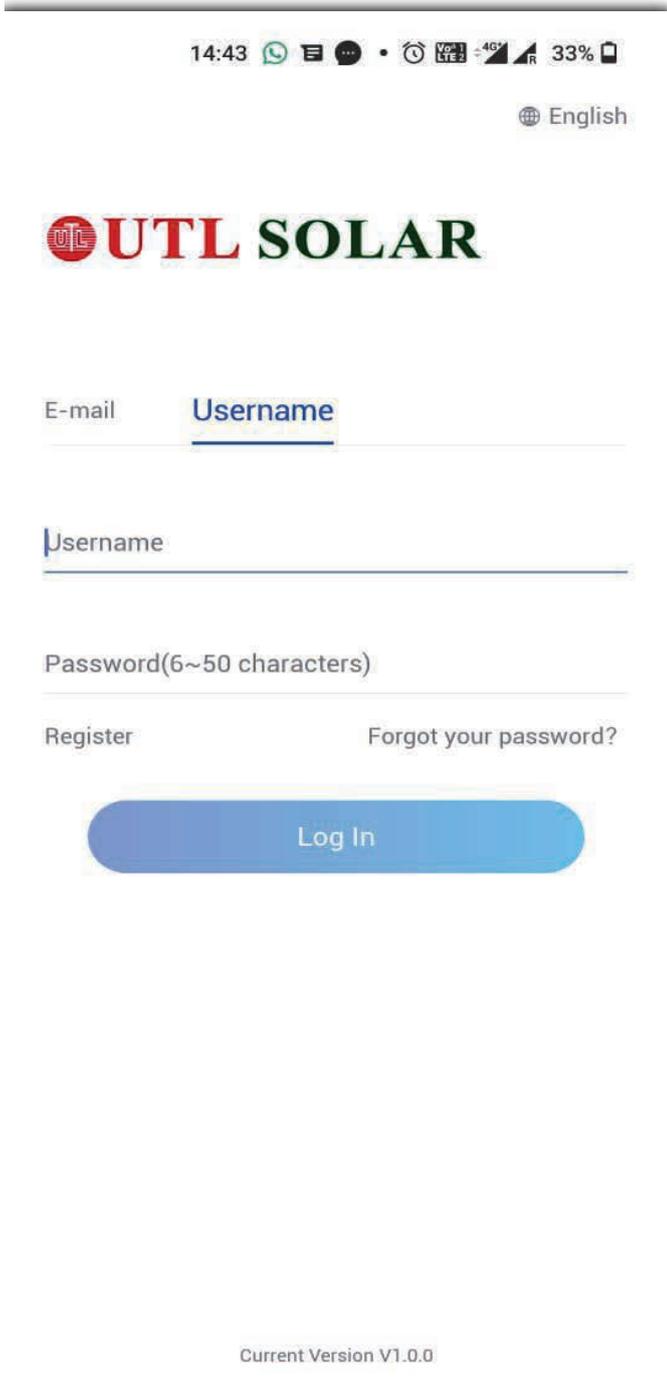
Kiribati





### 3. Login in UTL Solar app

Users can login through email id or username.



14:43 English

**UTL SOLAR**

E-mail Username

Username

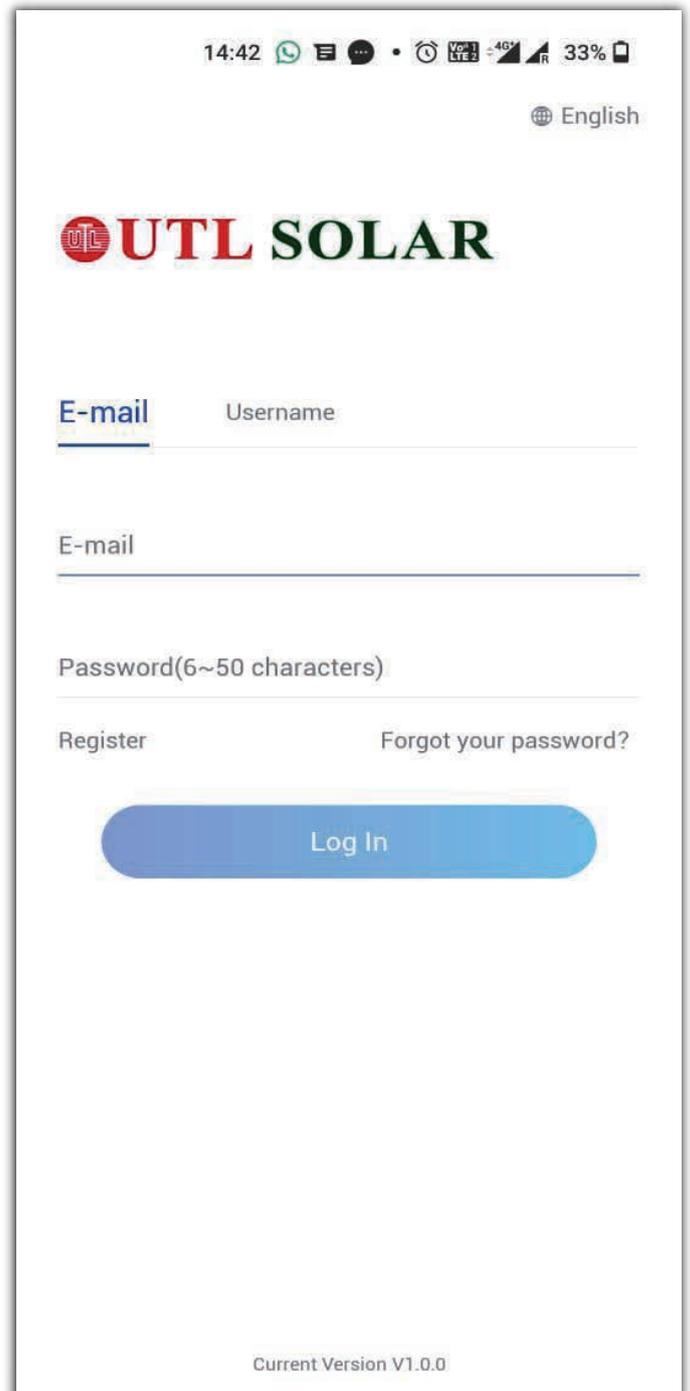
Password(6~50 characters)

Register Forgot your password?

Log In

Current Version V1.0.0

Or



14:42 English

**UTL SOLAR**

E-mail Username

E-mail

Password(6~50 characters)

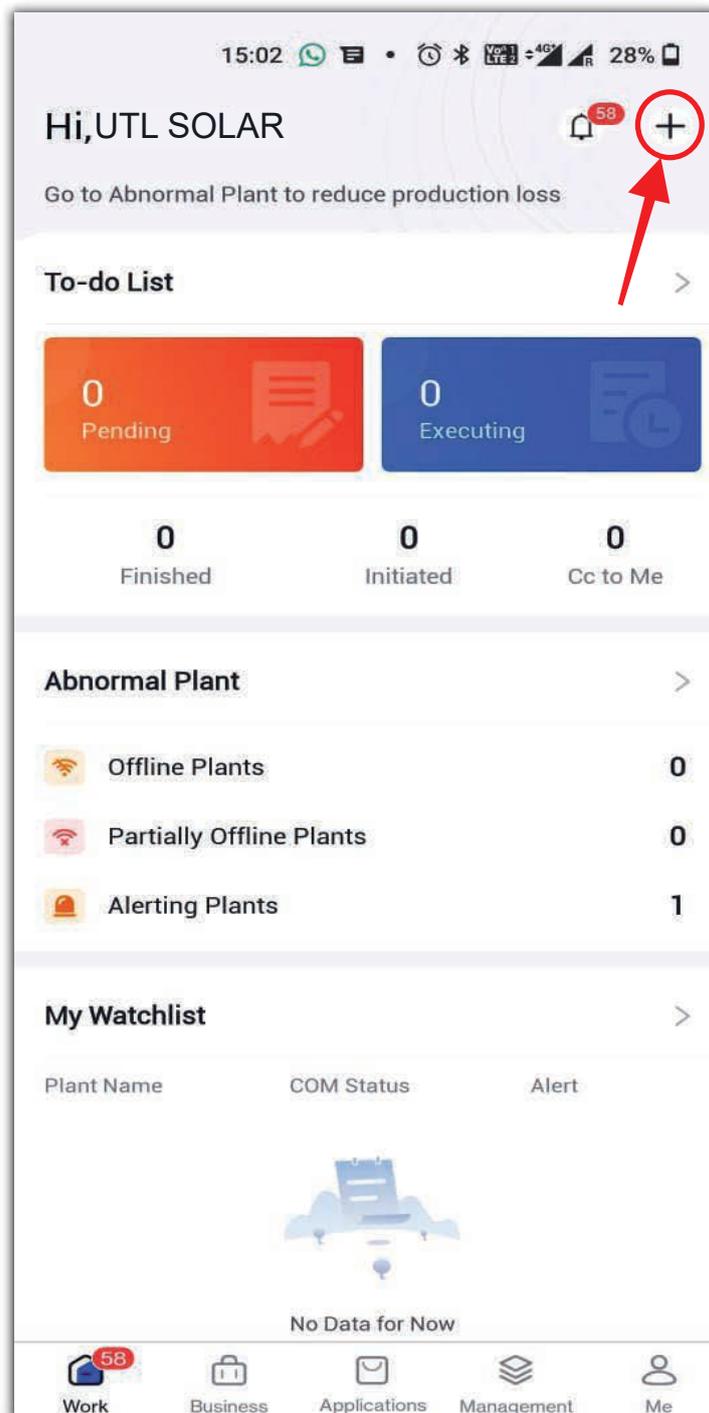
Register Forgot your password?

Log In

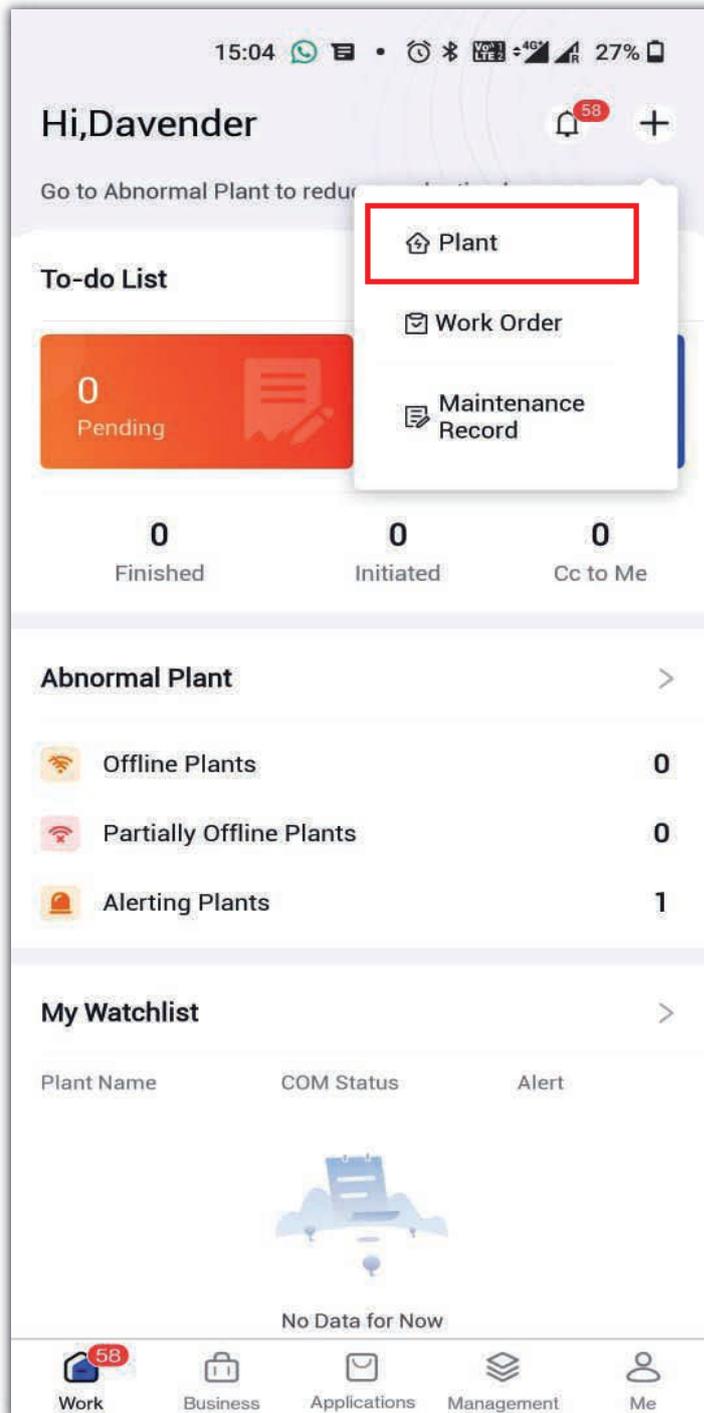
Current Version V1.0.0

## 4. Create a New Plant

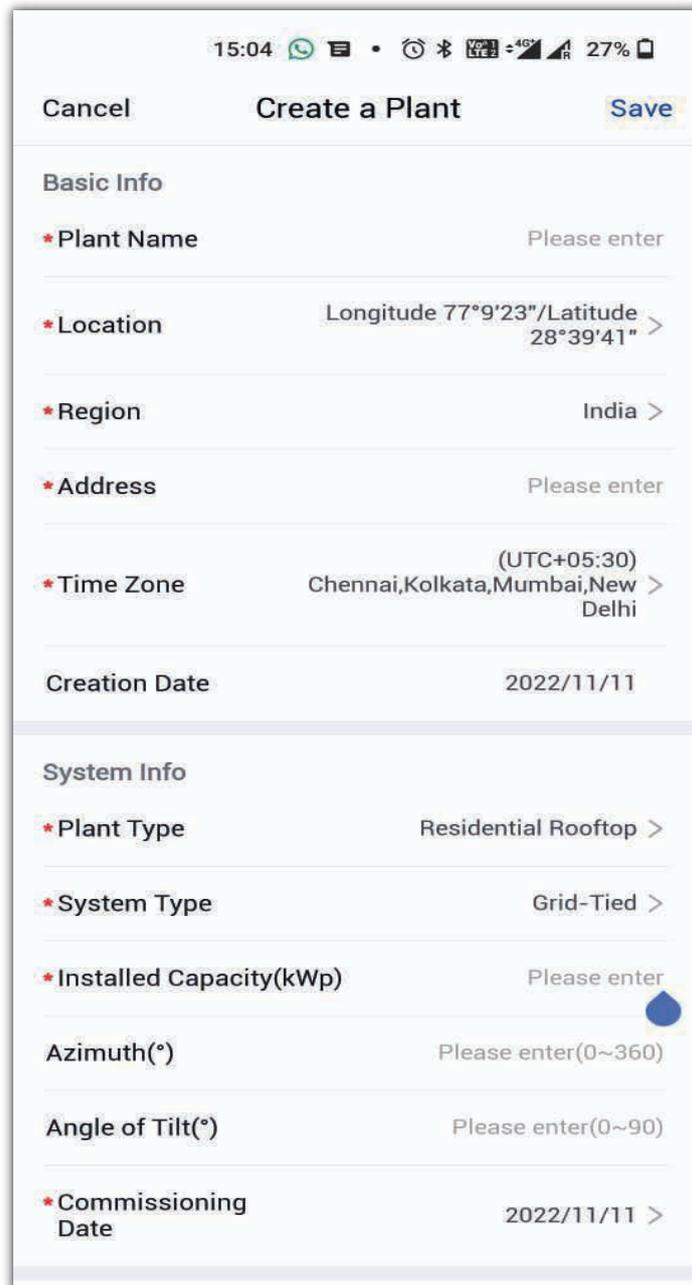
Method 1: Go to ( UTL Solar) - (O & M) - (Plant) - and Click (+) in the upper right corner.



3.Method 2: Go to **[UTL Solar]** and click **[+ Create a Plant]** in the upper right corner.



4. Users can enter basic info, system info, yield info, owner info here. Plant name, location, region, address, coordinate, capacity, currency are required fields.



15:04 15:04 [Icons] 27%

Cancel Create a Plant Save

**Basic Info**

\* Plant Name Please enter

\* Location Longitude 77°9'23"/Latitude 28°39'41" >

\* Region India >

\* Address Please enter

\* Time Zone (UTC+05:30) Chennai,Kolkata,Mumbai,New Delhi >

Creation Date 2022/11/11

**System Info**

\* Plant Type Residential Rooftop >

\* System Type Grid-Tied >

\* Installed Capacity(kWp) Please enter

Azimuth(°) Please enter(0~360)

Angle of Tilt(°) Please enter(0~90)

\* Commissioning Date 2022/11/11 >



15:05   •    4G+   27% 

Cancel      Create a Plant      Save

---

**System Info**

\* Plant Type      Residential Rooftop >

---

\* System Type      Grid-Tied >

---

\* Installed Capacity(kWp)      Please enter

---

Azimuth(°)      Please enter(0~360)

---

Angle of Tilt(°)      Please enter(0~90)

---

\* Commissioning Date      2022/11/11 >

---

**Yield Info**

\* Currency      INR >

---

Unit Price(INR/kWh)      Please enter

---

Total Cost(INR)      Please enter

---

**Owner Info**

Contact Person      Please enter

---

Phone Number      Please enter

---

Business Name      Please enter

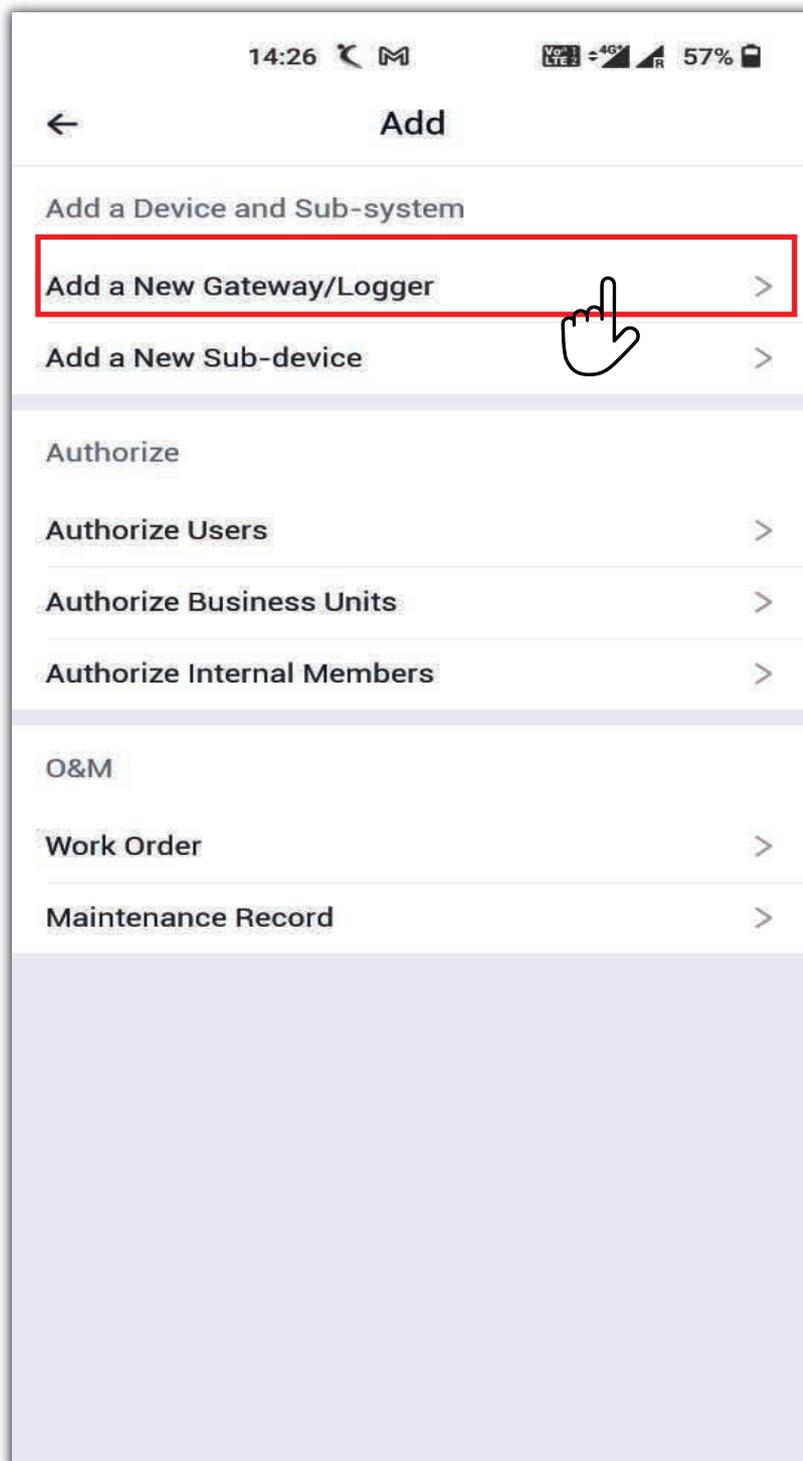
**Notice:**

- 1.After the plant location is confirmed, system will confirm the region, coordinate, currency and time zone automatically.
- 2.System type includes All on Grid, Self-consumption, Energy Storage System. Different system type has different plant view. Please select the system type according to actual situation.
- 3.Capacity is a required field. Please enter the accurate capacity.

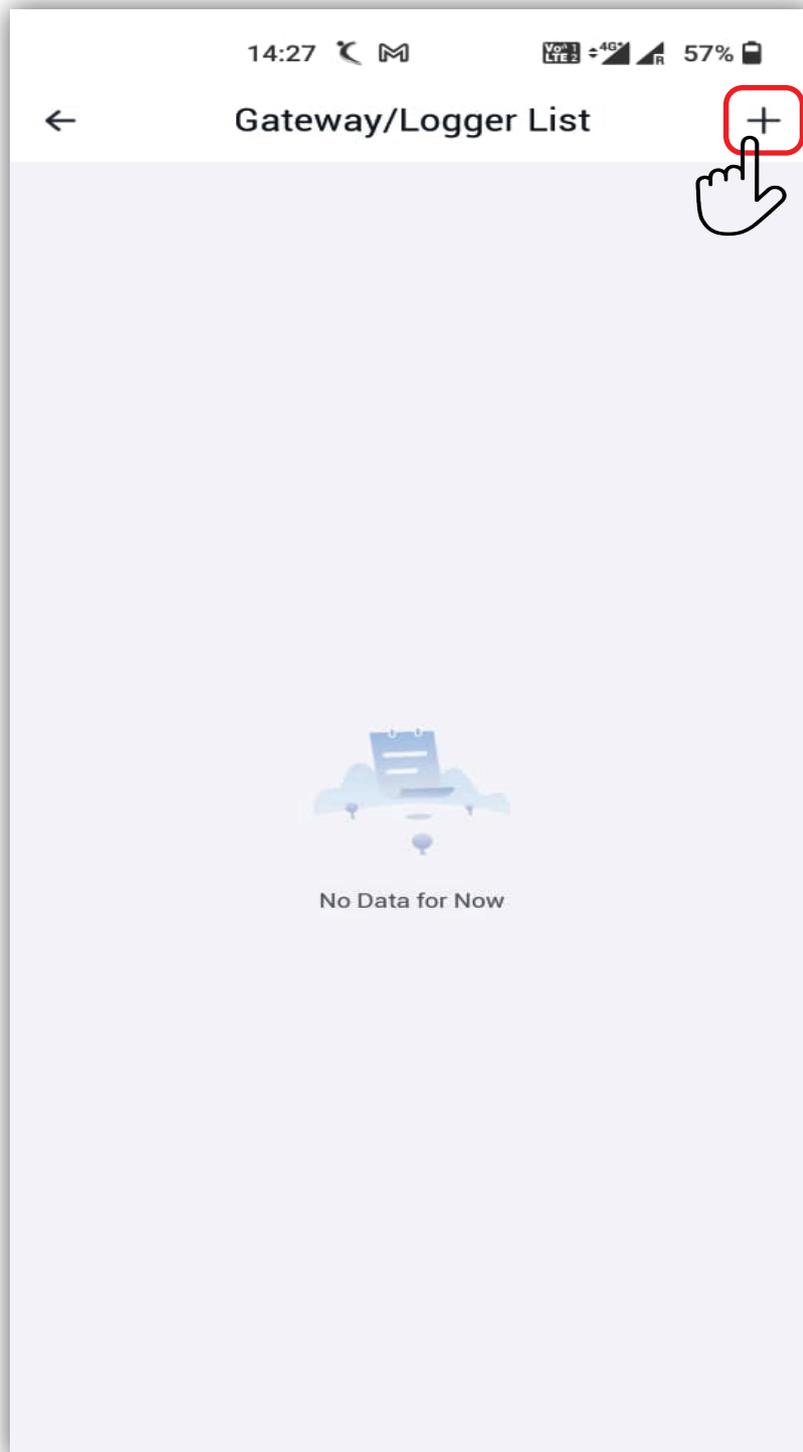
### 3.1 Add a Gateway/Logger

Please enter gateway/logger SN belongs to the plant. System will count data according to gateway/logger and its sub-device.

1. After entering the plant info, click save. Then go to **【Add a New Gateway/Logger】**



2.Go to 【New Gateway/Logger List】 and click 【+】 in the upper-right corner.



3. Scan bar code/QR code fo gateway/logger here.

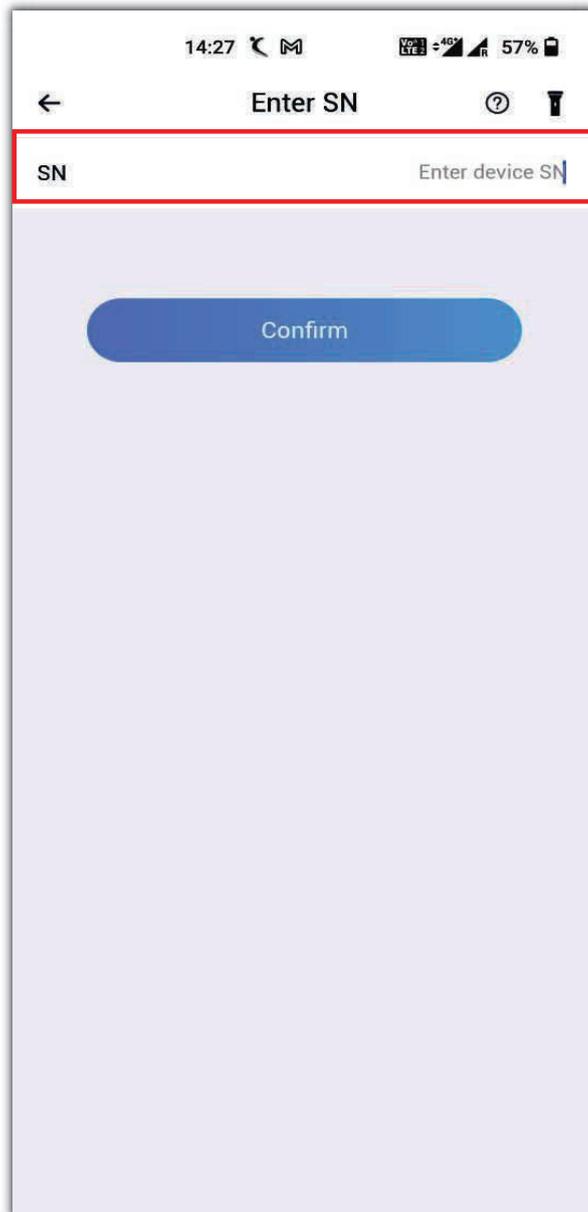


**Notice:-**

If you cannot find gateway/logger SN, please click (?) in the upper- right coner.  
If there is no bar code/QR code or the bar code/QR code is borken, please go to (Enter SN) in the lower-left corner.

If it is in low-light conditions, please click (Turn on Flashlight).

4. After scanning the gateway/logger SN, click (Done) to finish.



## 4. Plant Created

After adding a gateway/logger and authorizing a plant, back to the page below. Click **Done** in the upper-right corner. System will go to Plant Details automatically. If the gateway and its sub-device are

networked, users can check the data around 10 mins.

