UTL SOLAR

UTL WIFI Logger User Manual
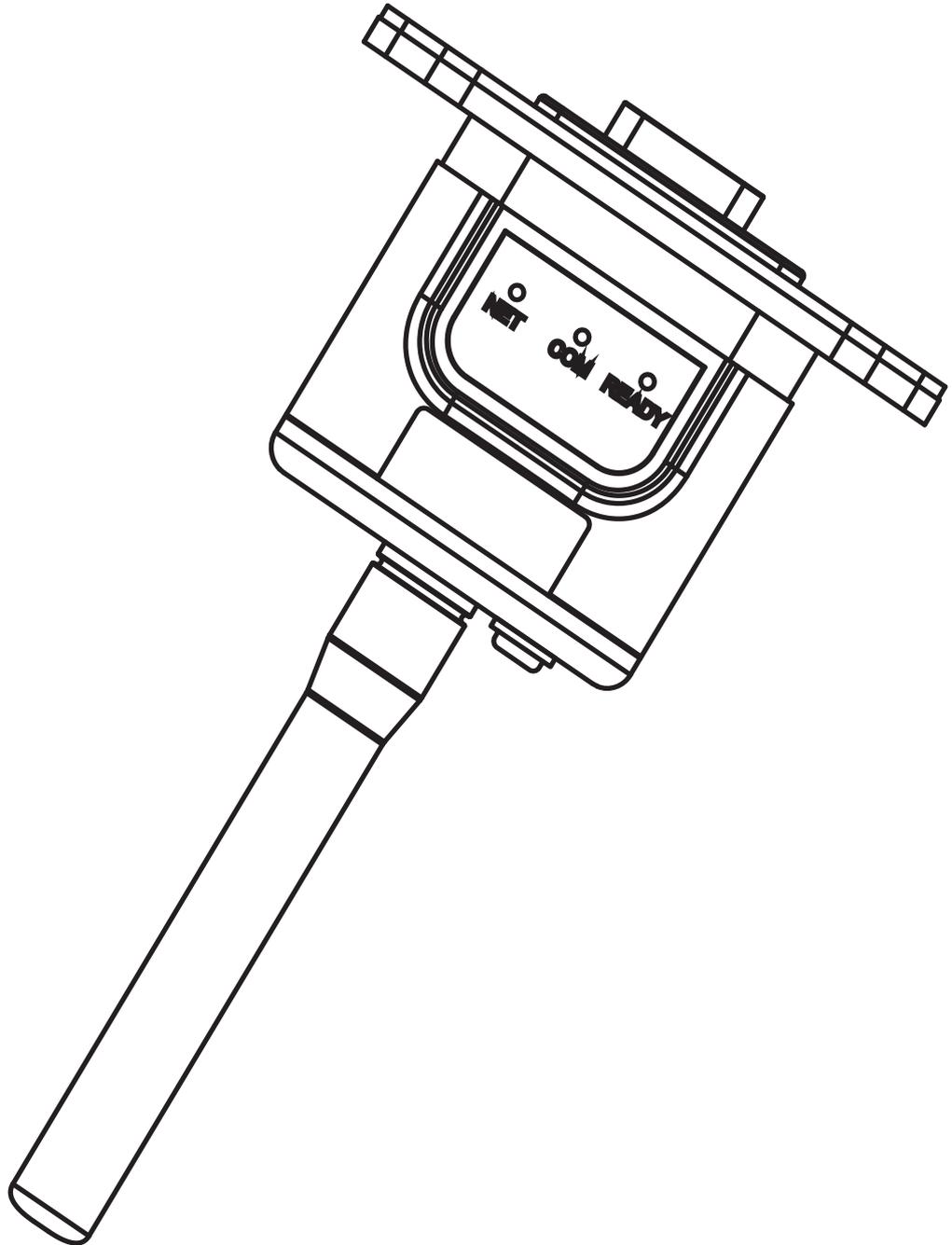
NET

COM

READY

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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.
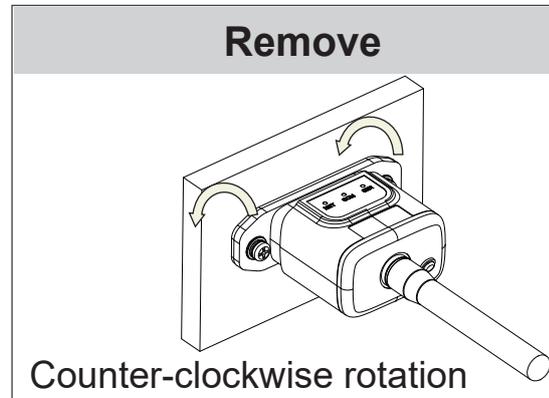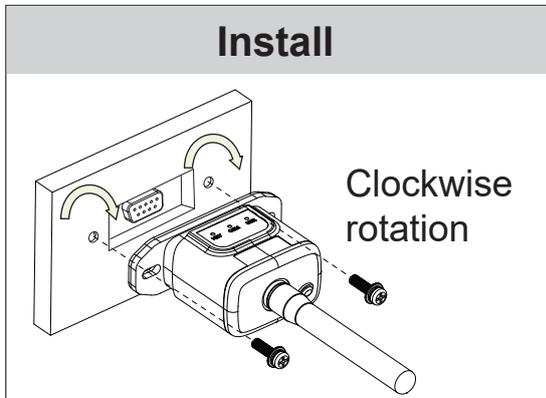
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1. Stick logger installation

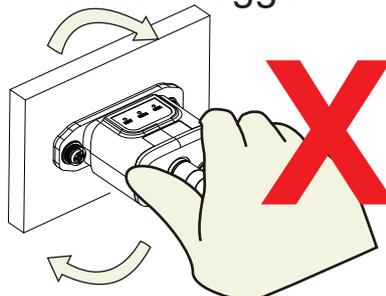**Step1:** Assemble logger to the inverter communication interface as shown in the diagram.
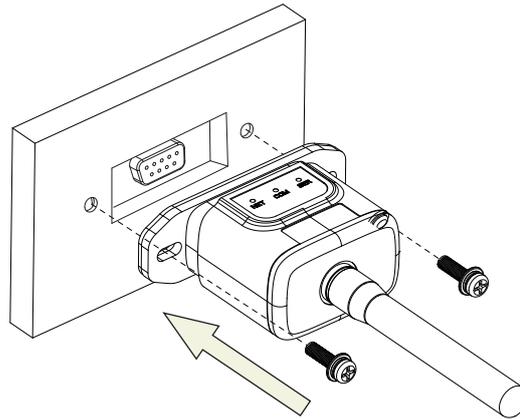
Follow the arrow direction.

Step2: Install/Remove

Install	Remove
Clockwise rotation	Counter-clockwise rotation

⚠️ **Warning:**
Please do not hold the logger body to rotate while install or remove the logger.

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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

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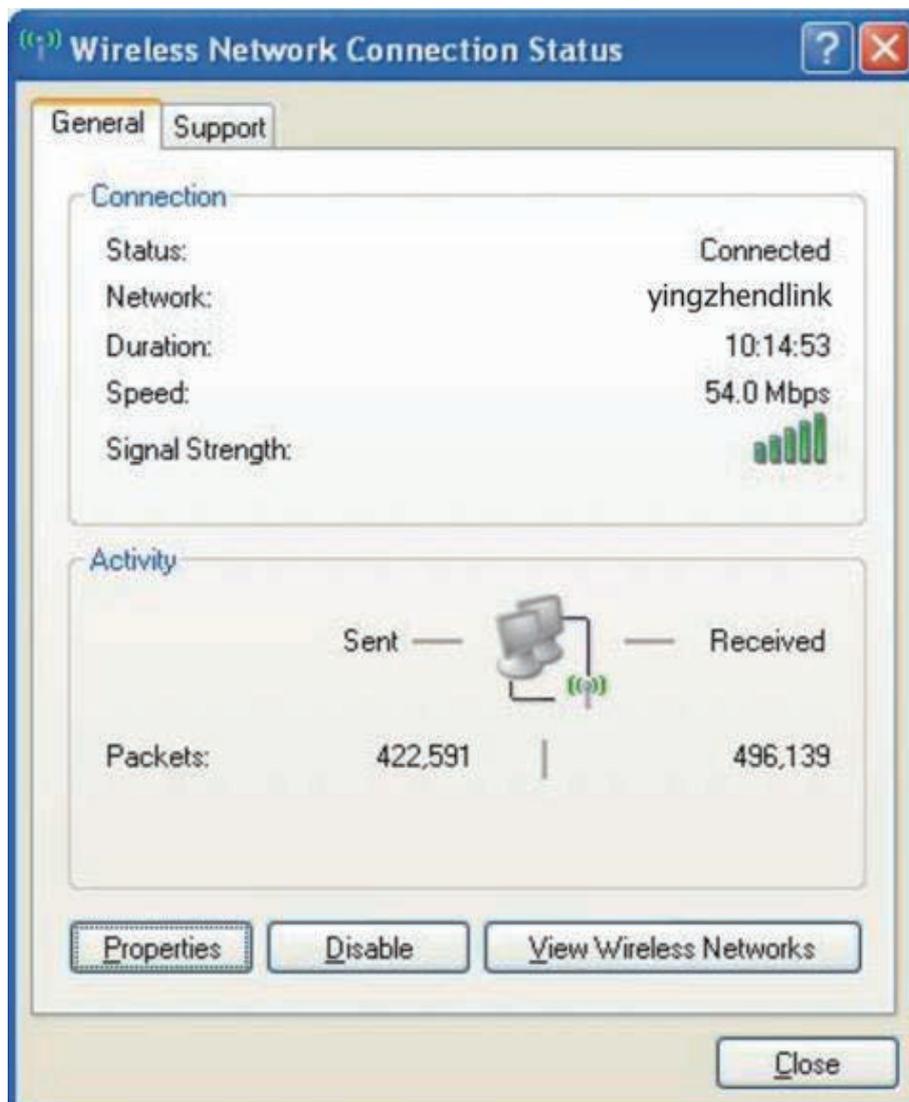
3.2 Select wireless network of the logger. The network name consists of AP and the serial number of the product. Input the password shown on the logger. Then click Connect.
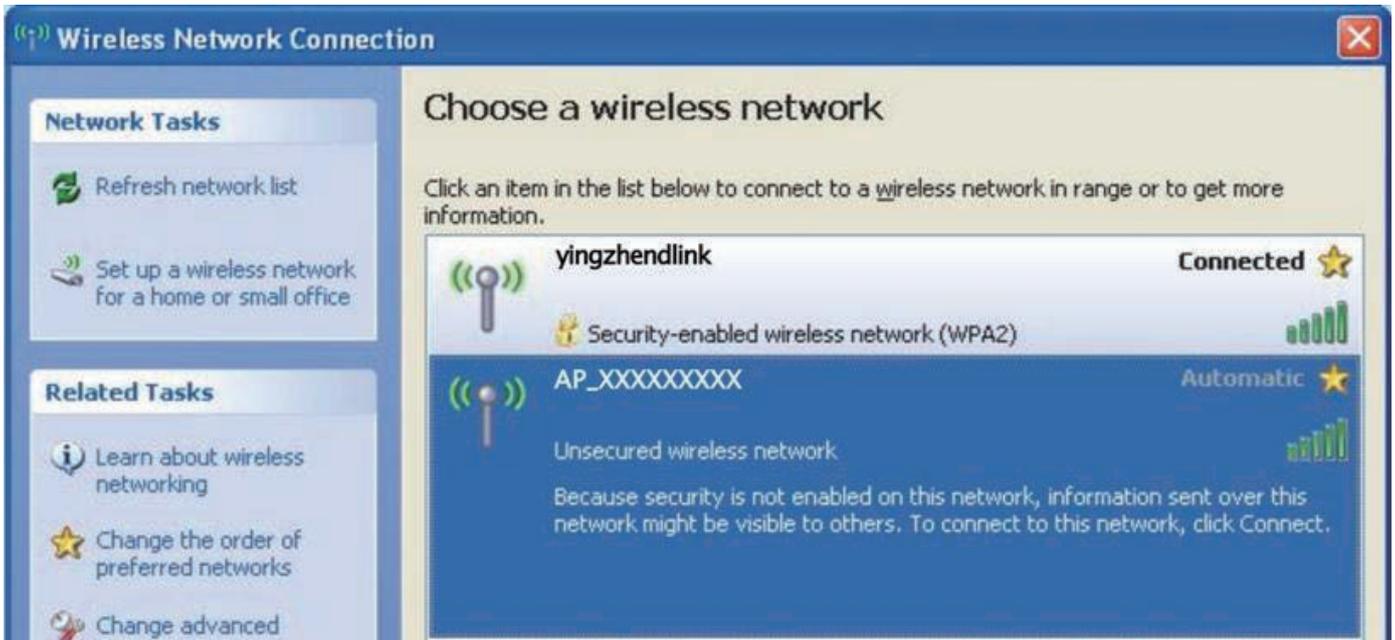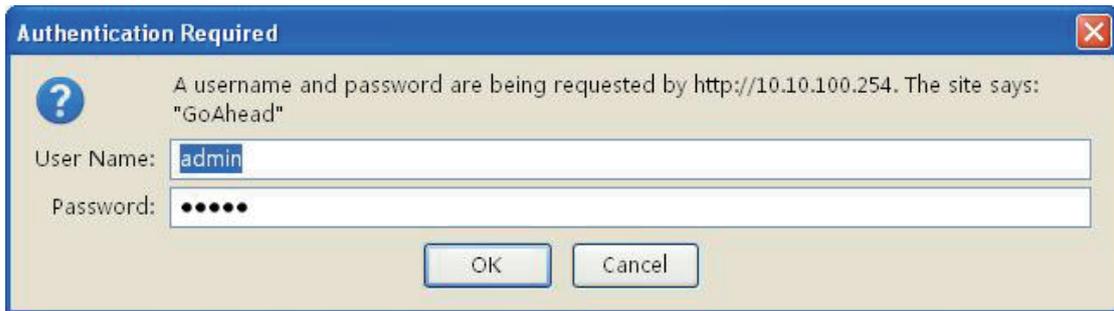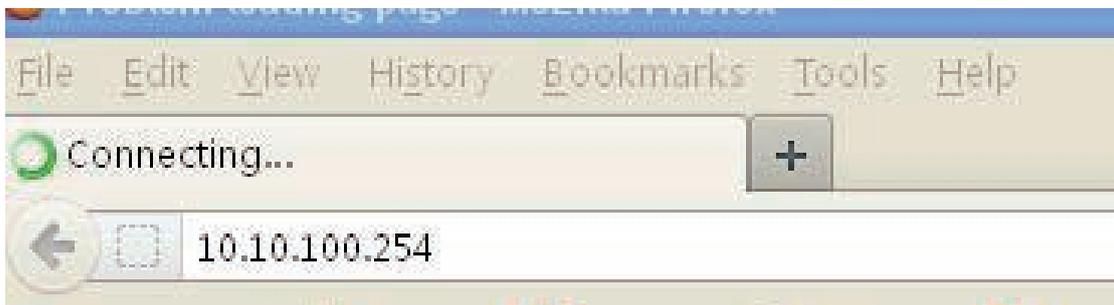

Notice: If AP_(serial number of product) is not available in the wireless network list, there may be problems in the connection or setting of logger. Please wait several minutes to refresh the list or plug in the logger again.
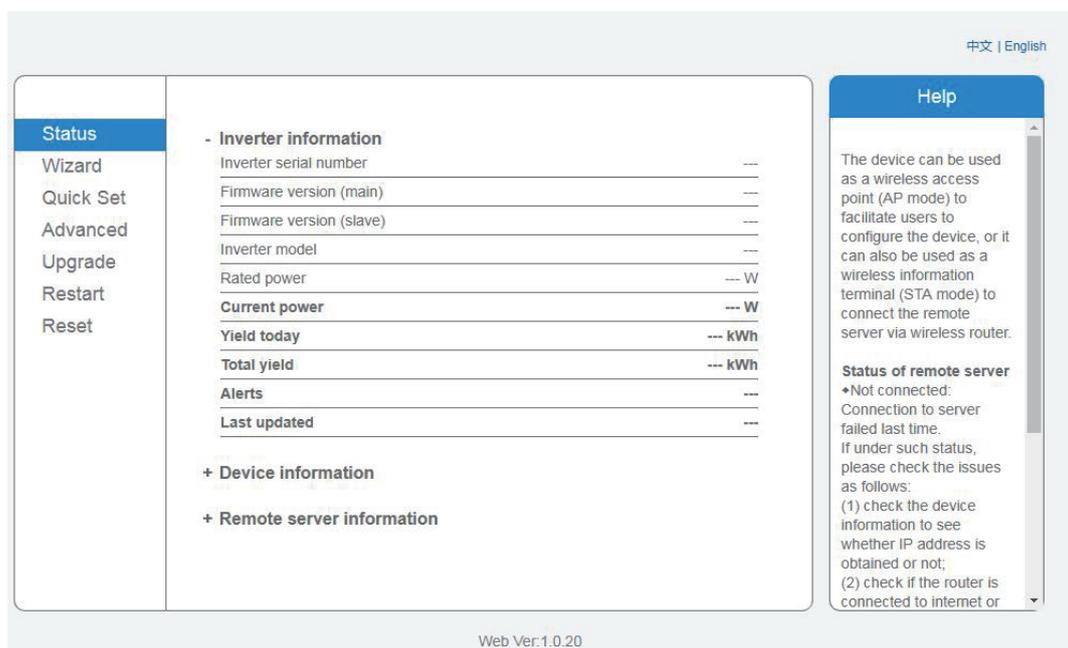
4. Set parameters of logger

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.

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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

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.

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

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

(d) If setting is successful, the following page will display. Click OK to restart.
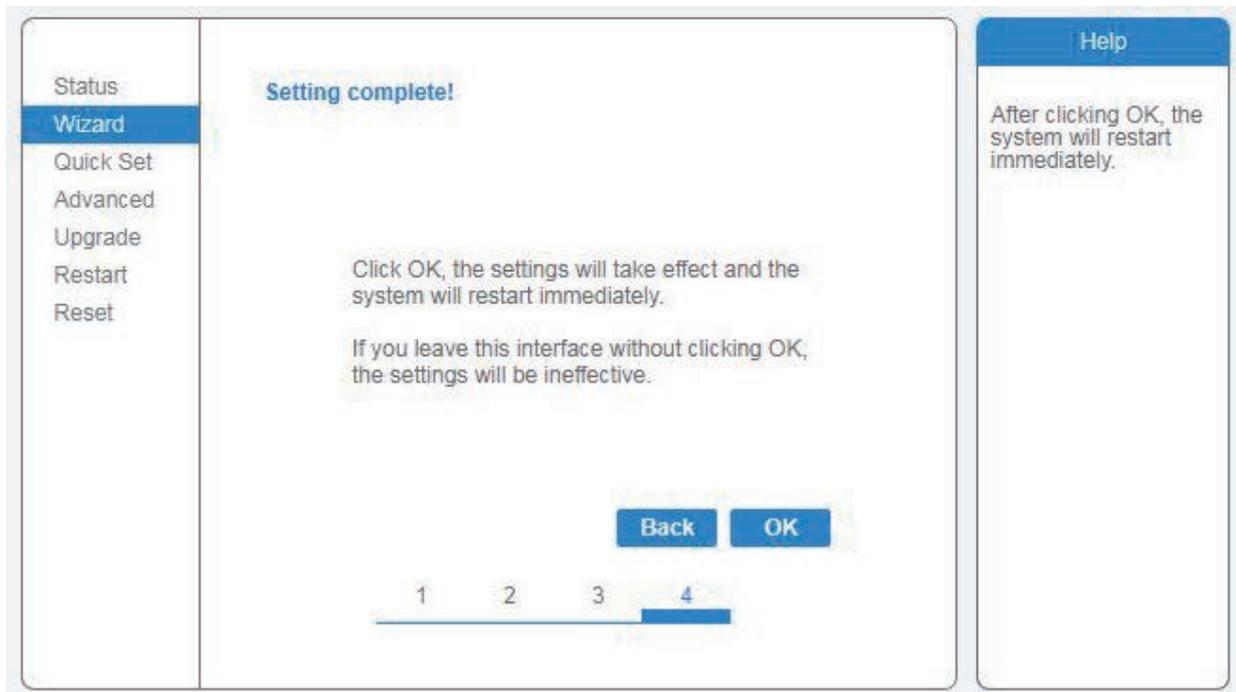
(e) If restart is successful, the following page will display. If this page does not display automatically,please refresh your browser.
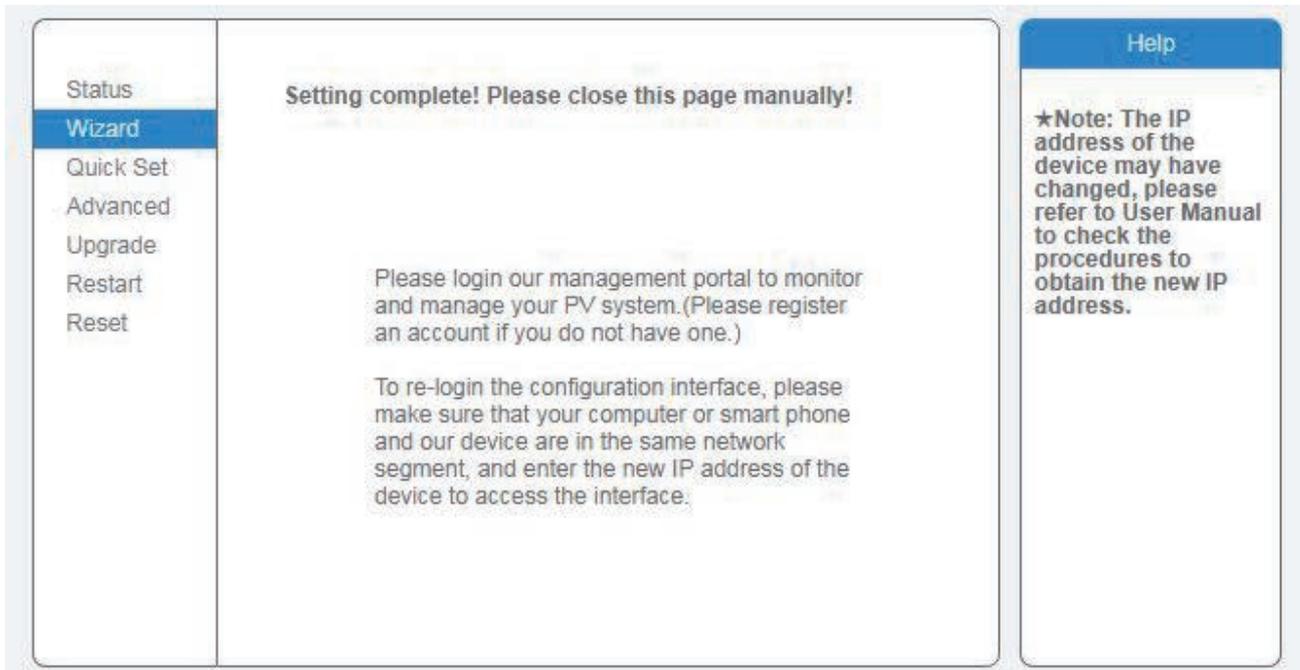
		Help
Status	Setting complete! Please close this page manually!	★Note: The IP address of the device may have changed, please refer to User Manual to check the procedures to obtain the new IP address.
Wizard		
Quick Set		
Advanced	Please login our management portal to monitor and manage your PV system.(Please register an account if you do not have one.)	
Upgrade		
Restart	To re-login the configuration interface, please make sure that your computer or smart phone and our device are in the same network segment, and enter the new IP address of the device to access the interface.	
Reset		

(f) Re- log in this setting page to Status page after the Web server restart, and check the network connection status of the logger.
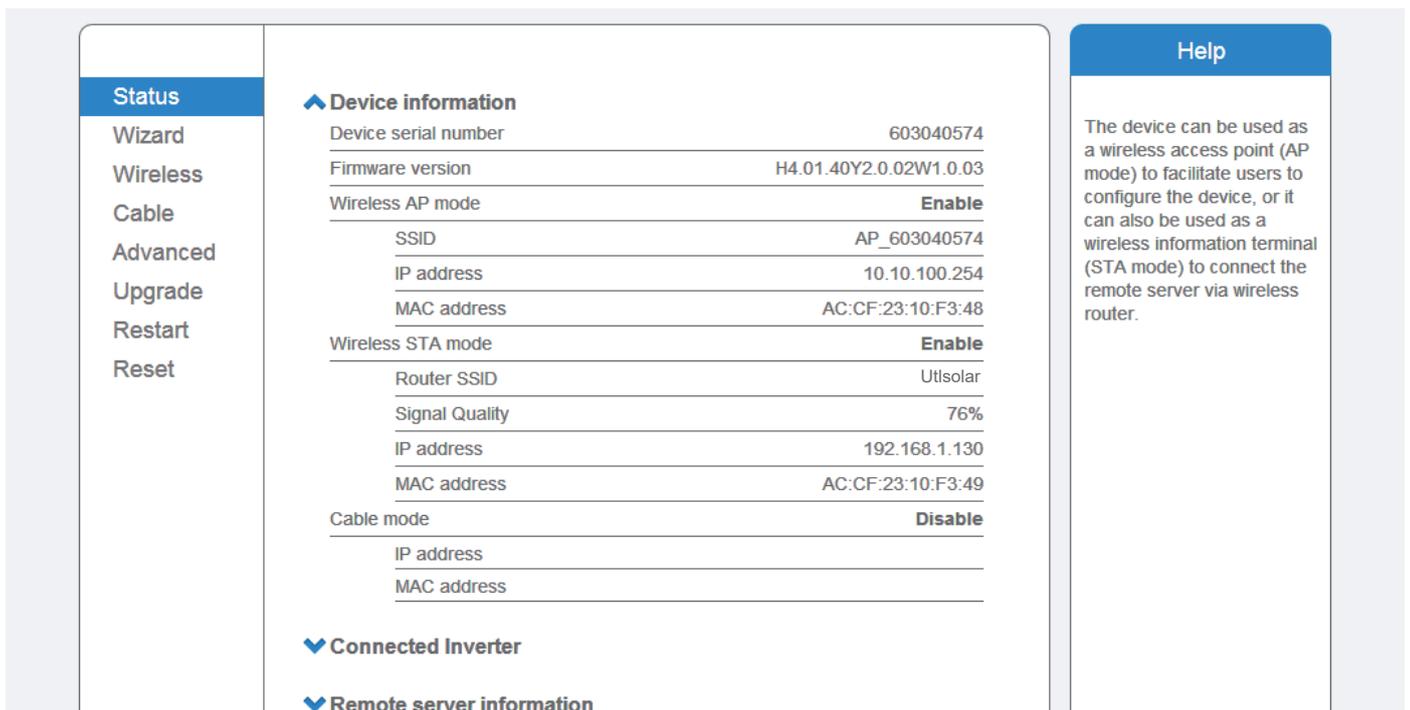
			Help
Status	▲ **Device information**		The device can be used as a wireless access point (AP mode) to facilitate users to configure the device, or it can also be used as a wireless information terminal (STA mode) to connect the remote server via wireless router.
Wizard	Device serial number	603040574	
Wireless	Firmware version	H4.01.40Y2.0.02W1.0.03	
Cable	Wireless AP mode	**Enable**	
Advanced	SSID	AP_603040574	
Upgrade	IP address	10.10.100.254	
Restart	MAC address	AC:CF:23:10:F3:48	
Reset	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		
	▼ **Connected Inverter**		
	▼ **Remote server information**		

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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	**- Inverter information**	
Advanced	Inverter serial number	---
Upgrade	Firmware version (main)	---
Restart	Firmware version (slave)	---
Reset	Inverter model	---
	Rated power	--- W
	Current power	--- W
	Yield today	--- kWh
	Total yield	--- kWh
	Alerts	---
	Last updated	---
	- Device information	
	Device serial number	515290981
	Firmware version	LSW3_10_5406_1.16_MW3
	Wireless AP mode	**Enable**
	SSID	AP_515290981
	IP address	10.10.100.254
	MAC address	f0:fe:6b:fa:6d:df
	Wireless STA mode	**Disable**
	Router SSID	
	Signal Quality	
	IP address	
	MAC address	
	- Remote server information	
	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.)
● NET	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.
● COM	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
● READY	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 leat 2 minutes after logger is powered on)

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NET ● NET	COM ● COM	READY ● READY	Fault Description	Fault Cause	Solution
Any state	OFF	Slow flash	Communication with inverter abnormal	1. Connection between stick logger and inverter is loose. 2. Inverter does not match with stick logger's communication rate.	1. Check the connection between stick logger and inverter. Remove the stick logger and install again. 2. Check inverter's communication rate to see if it matches with stick logger's. 3. Long press Reset button for 5s, reboot stick logger.
OFF	ON	Slow flash	Connection between logger and router abnormal	1. Stick logger does not connect to network. 2. Antenna abnormal 3. Router's WiFi signal strength is weak.	1. Check if the wireless network is configured. 2. Check if the antenna is damage or loose. 3. Enhance router's WiFi signal strength. 4. Long press Reset button for 10s, reboot stick logger and networking again.
Slow flash	ON	Slow flash	Connection between logger and router normal, connection between logger and remote server abnormal.	1. Router's networking abnormal. 2. The server point of logger is modified. 3. Network is limited, server cannot be connected.	1. Check if the router has access to the network. 2. Check the router's setting to see if the connection is limited. 3. Contact our customer service.

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NET	COM	READY	Fault Description	Fault Cause	Solution
● NET	● COM	● READY			
OFF	OFF	OFF	Power supply abnormal	1. Connection between stick logger and inverter is loose or abnormal. 2. Power supply from inverter is in-sufficient. 3. Stick Logger abnormal.	1. Check the connection, remove the stick logger and install again. 2. Check inverter output power. 3. Contact our customer service.
Any state	Any state	Fast flash	Restore factory settings	Normal	1.Exit automatically after 1mins. 2.Long press Reset button for 5s, reboot stick logger. 3.Long press Reset button for 10s, restore factory settings.

⚠ 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.

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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'.

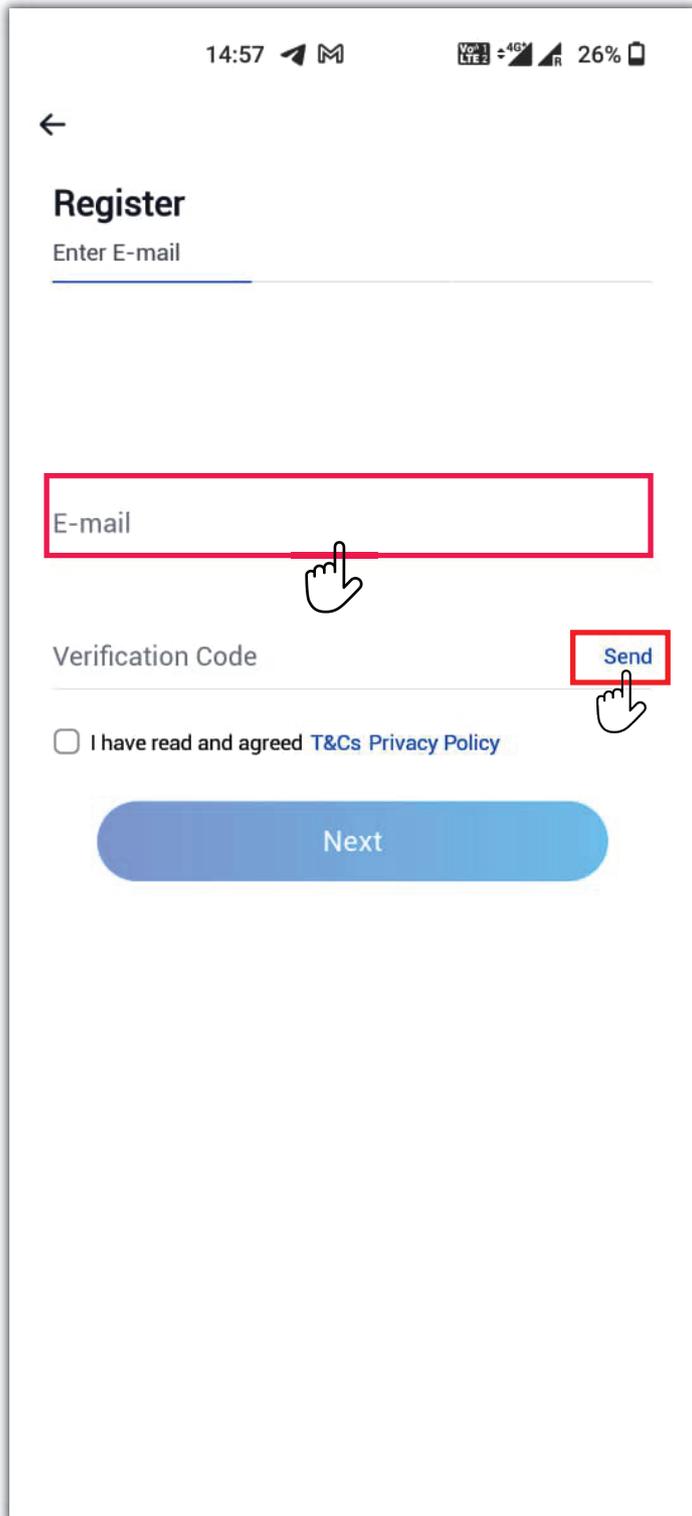Link :- https://www.upsinverter.com/wp-content/uploads/UTLSOLAR.apk

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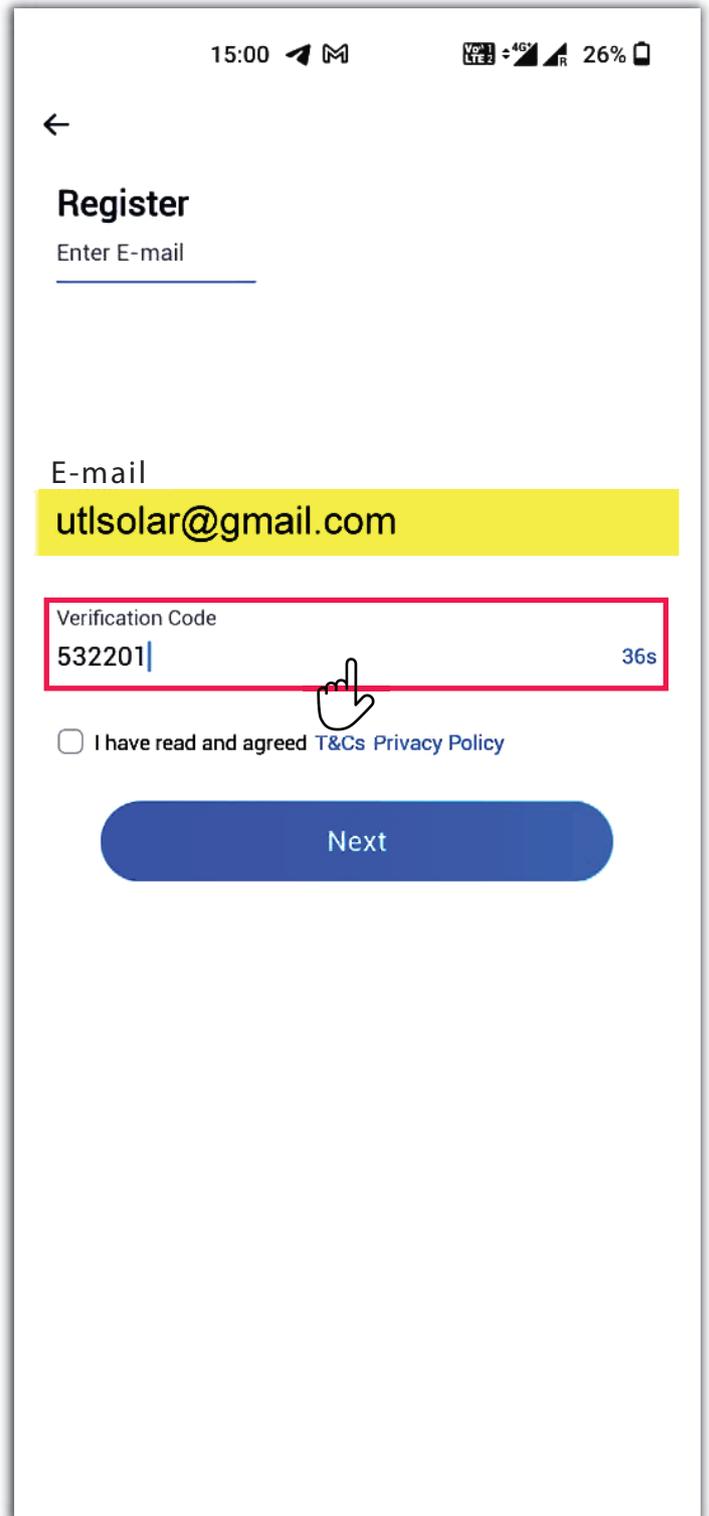3. If it fails then again click on send and repeat the process.

Left screen:

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

Right screen:

15:00

←

Register

Enter E-mail
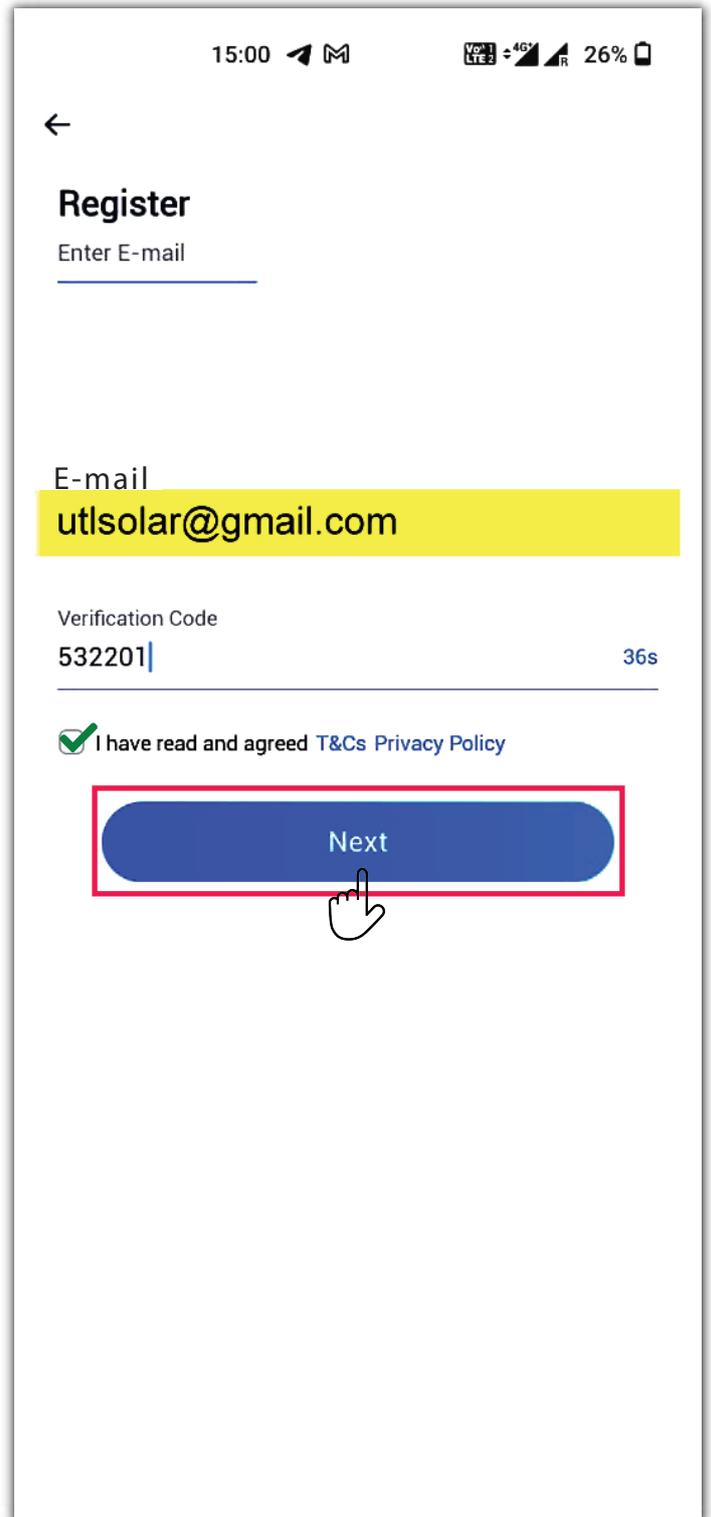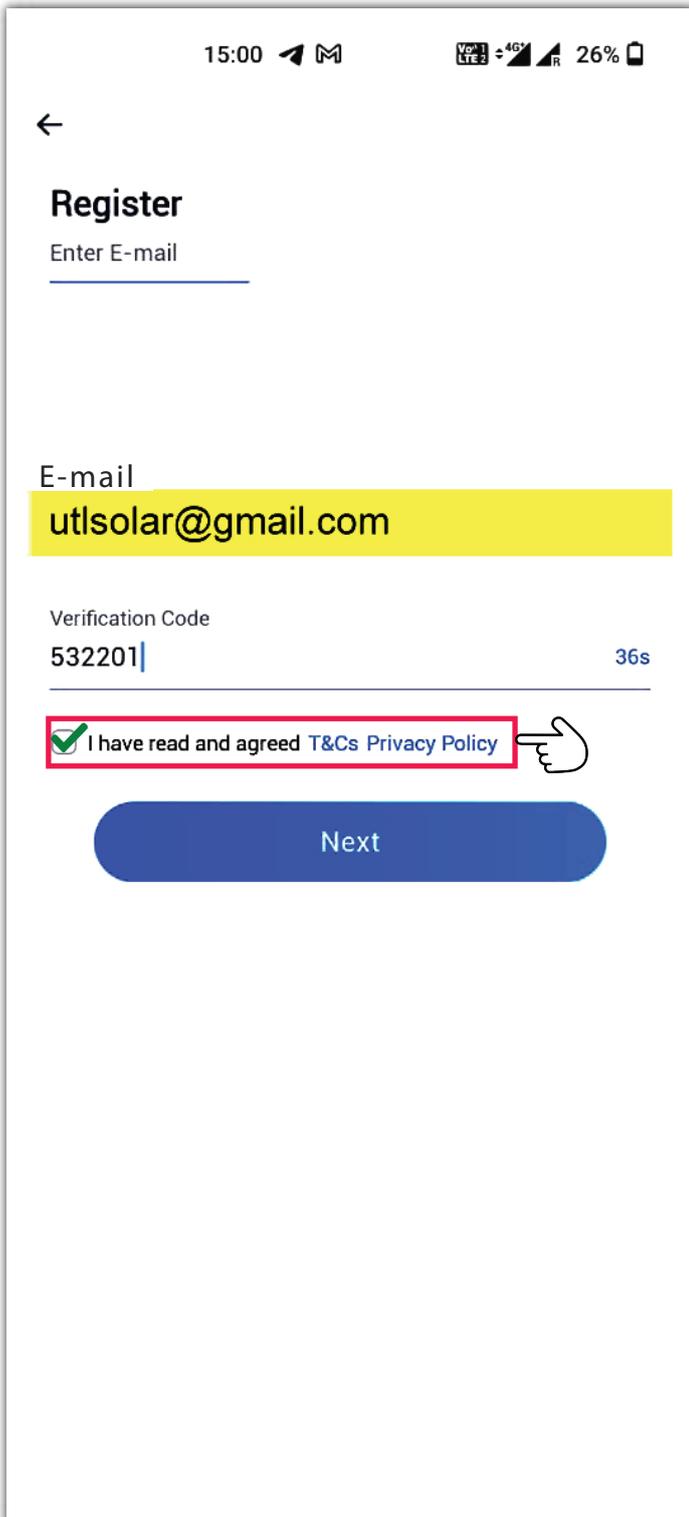
E-mail

utlsolar@gmail.com

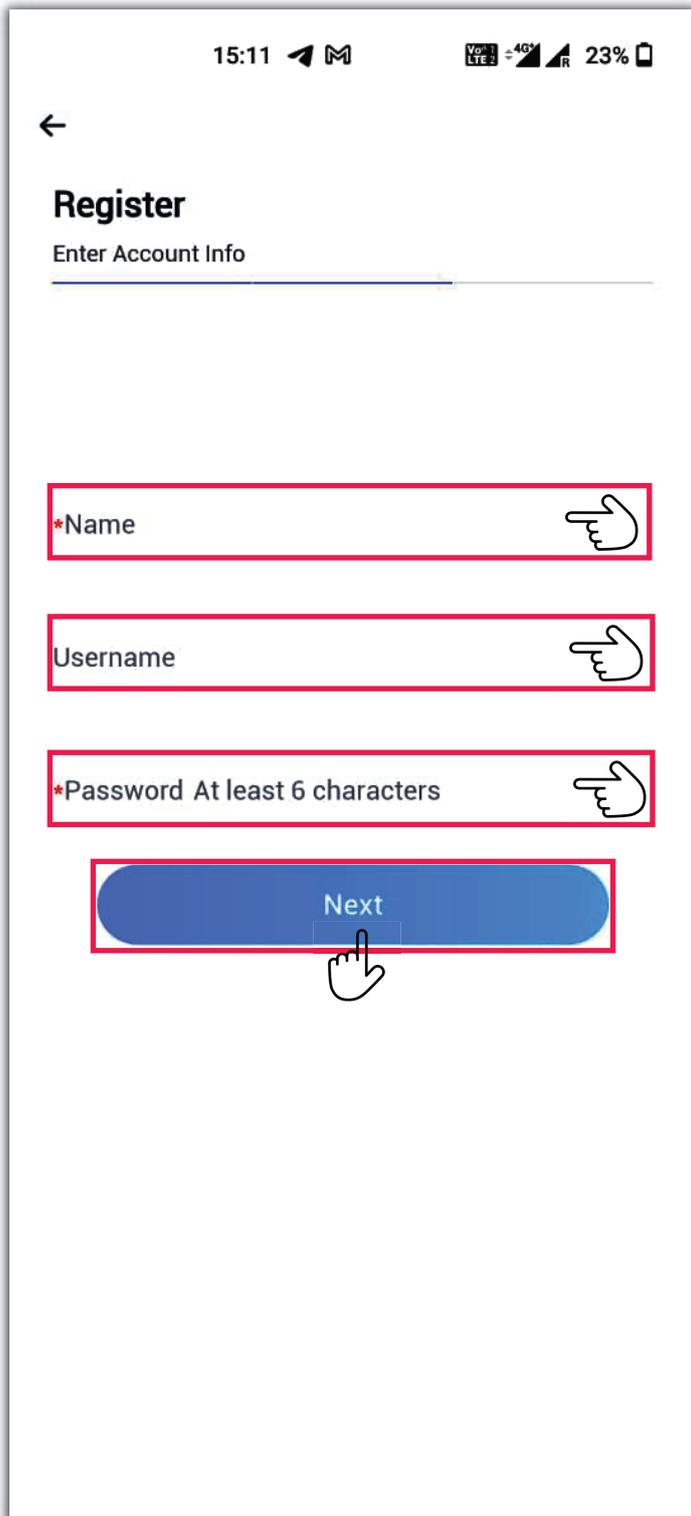Verification Code

532201   36s

✓ I have read and agreed T&Cs Privacy Policy

Next

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

![UTL SOLAR logo]

Left screen:

15:00 📶 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

Right screen:

15:02 📶 25%

← **Select Business Type**

Enterprise

Individual ✓

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

Cancel   **Edit Business Name**   Save

Business Name(English)
Solar   ⊗

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

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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

Select Business Area

Heard Island and McDonald Islands

Honduras

Hungary

Iceland

India

Indonesia

Iran
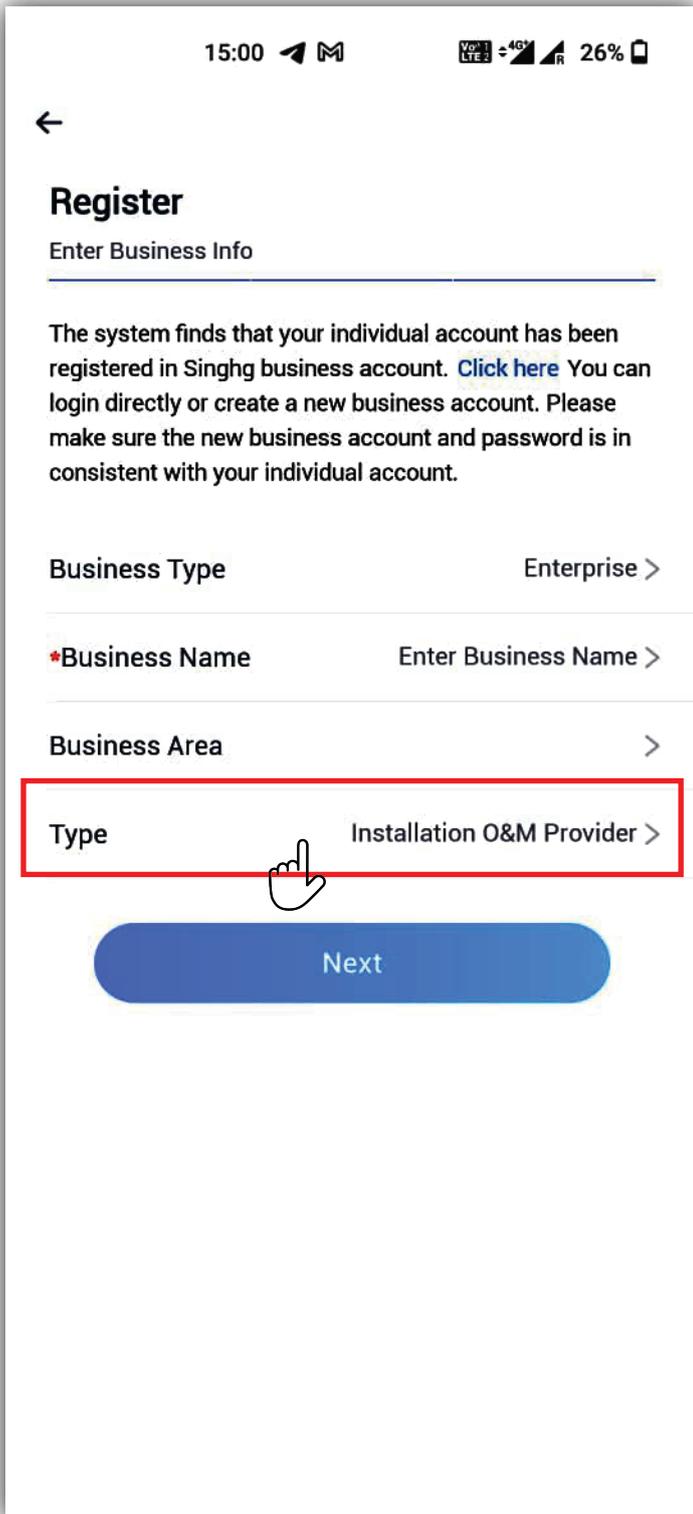
Iraq

Ireland

Isle of Man

Israel

Italy

Jamaica

Japan
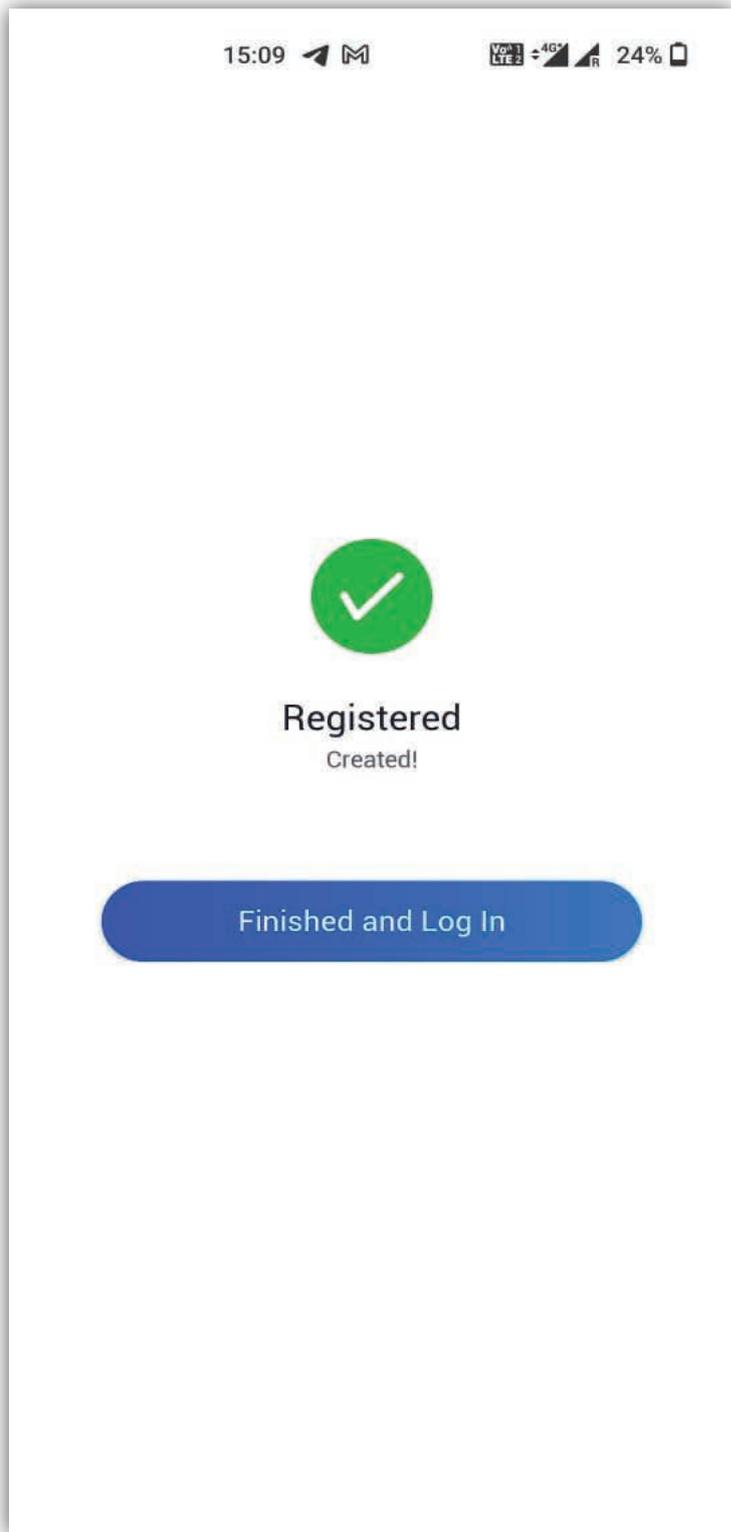
Jersey

Jordan

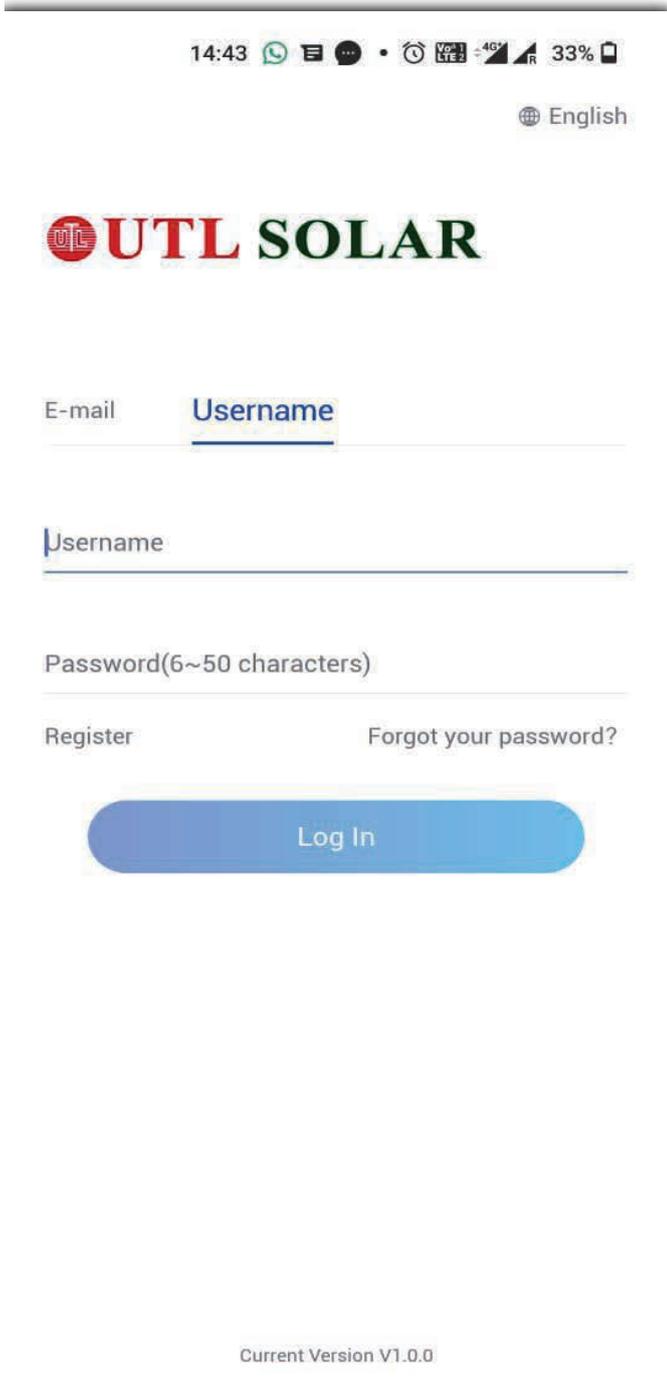Kazakhstan

Kenya

Kiribati

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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

Type

Installation O&M Provider

Investors ✓

Distributor

Manufacturer

15:09

Registered

Created!

Finished and Log In

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3. Login in UTL Solar app
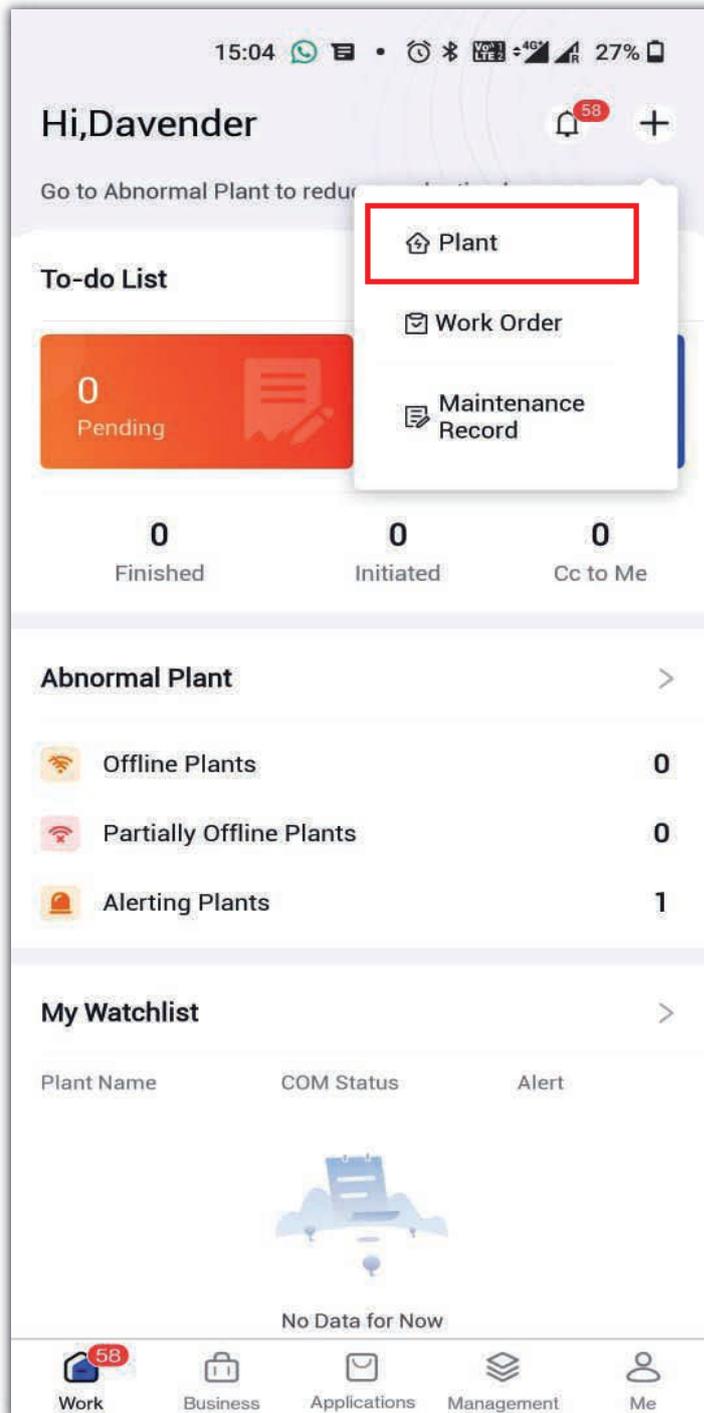
Users can login through email id or username.
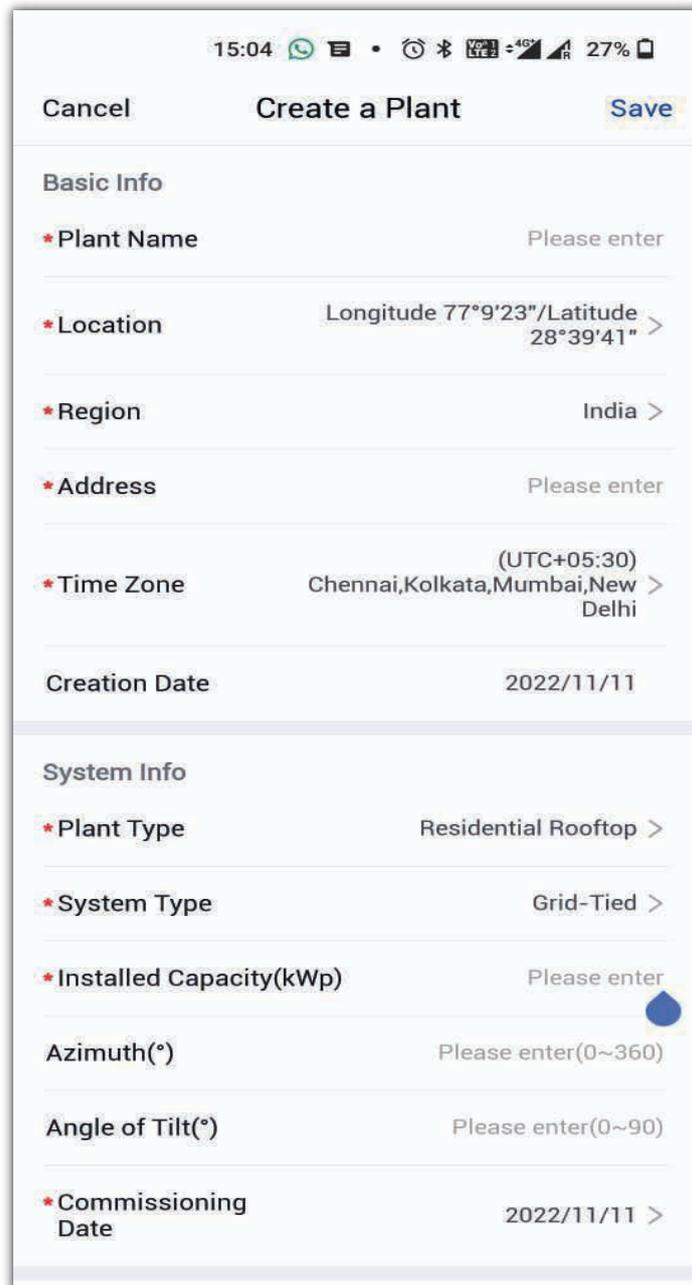

Or
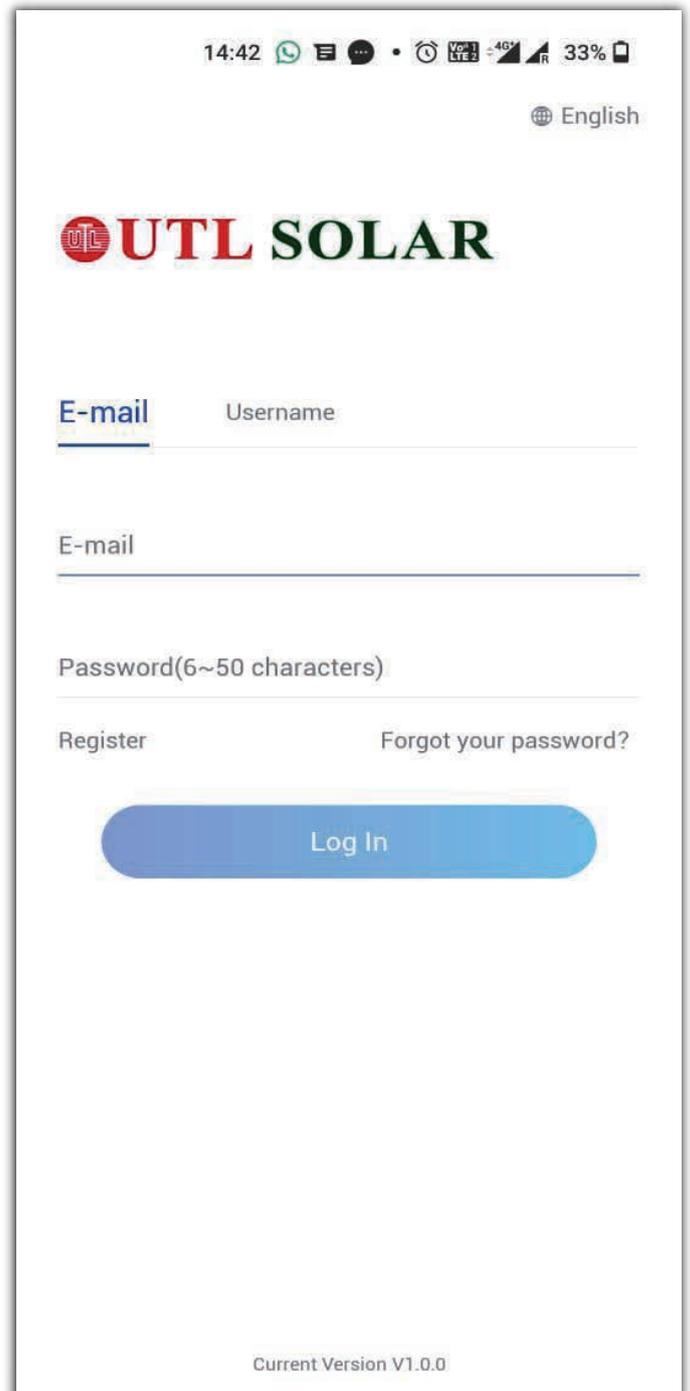
4. Create a New Plant

Method 1: Go to (UTL Solar) - (O & M) - (Plant) - and Click (+) in the upper right corner.
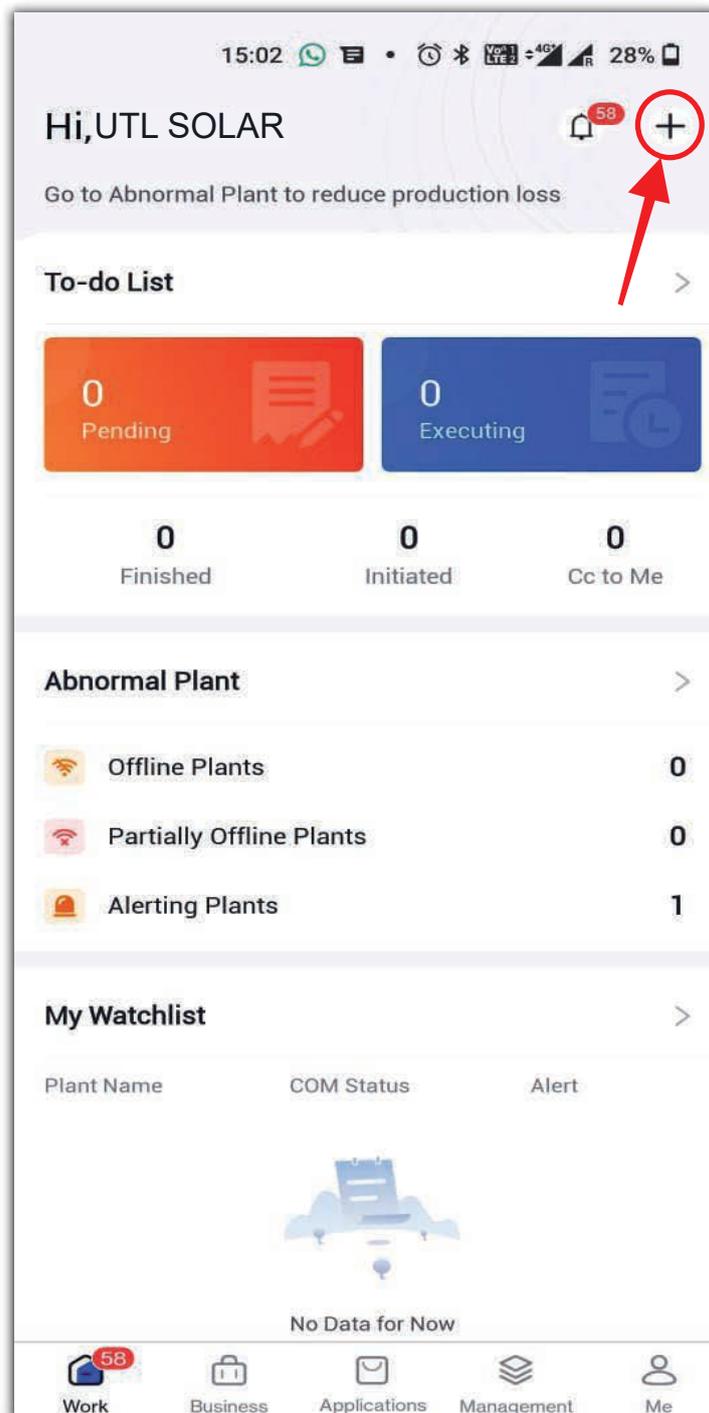
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3.Method 2: Go to 【UTL Solar】 and click 【+ Create a Plant】 in the upper right corner.

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

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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】

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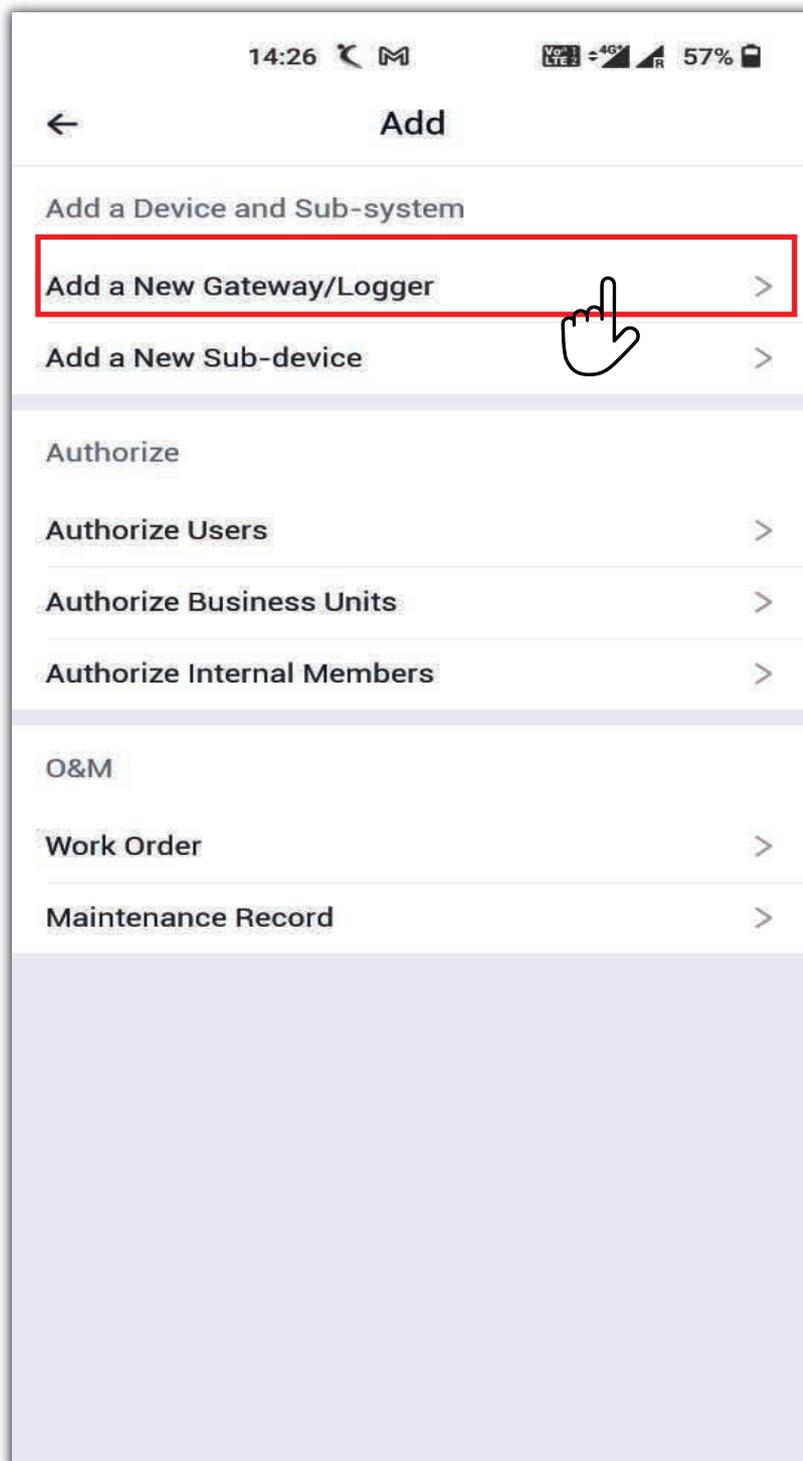
2.Go to【New Gateway/Logger List】and click【+】in the upper-right corner.

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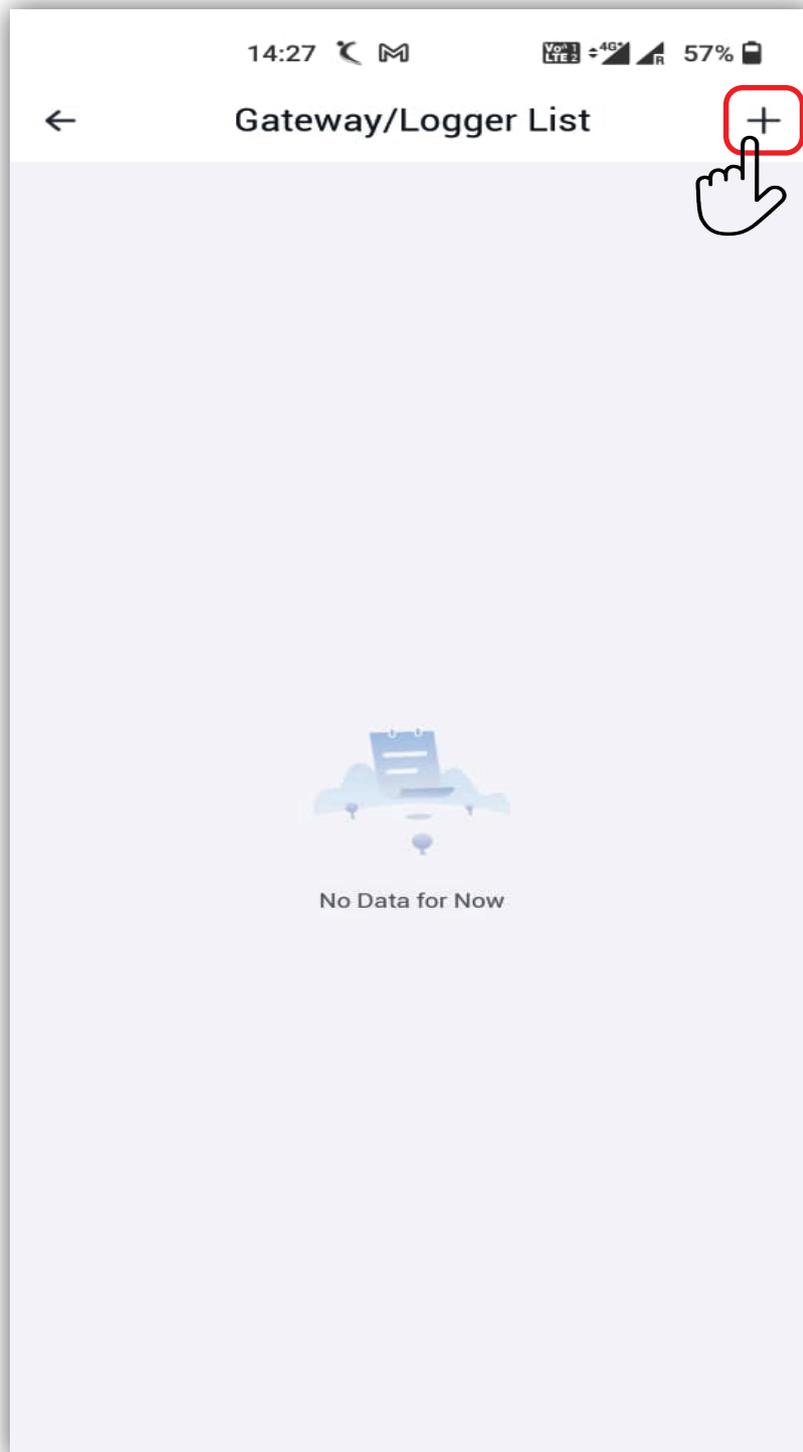
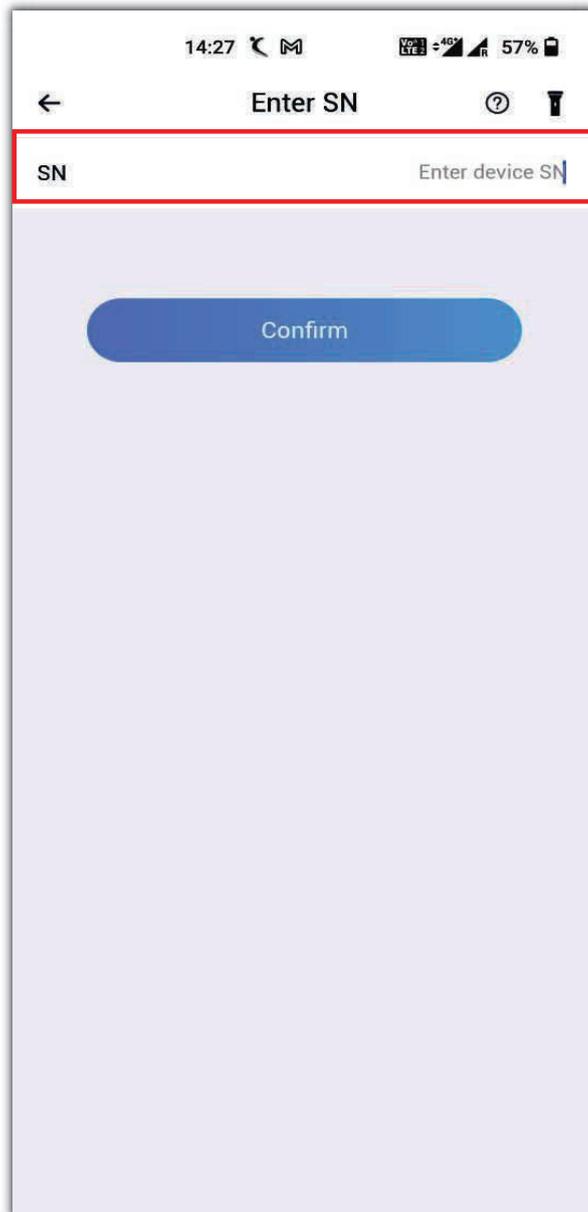3. Scan bar code/QR code fo gateway/logger here.

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 fininsh.

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.