Felicity Smart 4G Module

Quick Install Guide
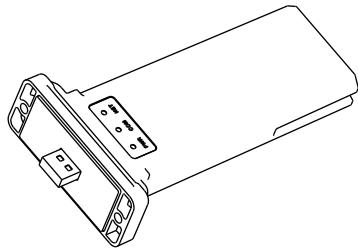
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1. Instructions
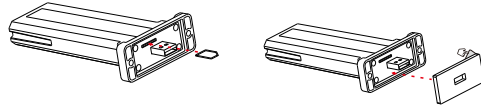
1.1 Model.

NO	NAME	MODEL	NETWORK	PICTURE
①	Smart 4G-S	IOTH4001	4G	
②	Smart 4G-M	IOTH4002	4G	

LED status:

| PWR	ON	Normal power supply
COM	ON	Normal communication with the solar device
NET	ON	Normal communication with the data server

2. Phone card installation

Insert the phone card or IoT card with network traffic into the slot and paste the waterproof film , as shown below:

3. Connection between device and Smart 4G module

Insert the USB-A port of the smart 4G module into the 4G/WiFi port of the solar device and tighten it with the screw.

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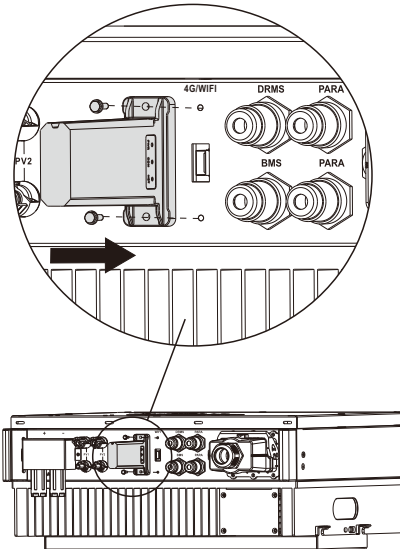
4. Configure Network

3.1 Download APP

Scan the QR Code on the right side and download the APP.

Fsolar APP

5. Create the plant

After the Smart 4G module is connected to the server, it will transmit the data of the solar device to the server. And after the plant is created, users can view and manage the solar device via the APP or web browser.

5.1 Manage device via APP

5.1.1 Register an account

Run the APP, enter the login page, click the register button, fill in the relevant information, and register an account.

5.1.2 Adding devices

1) After logging into the APP with an account, enter the home page, click the Device button to enter the device interface.

2)Click the + button to enter the Add Device page, and fill in the relevant information as required.
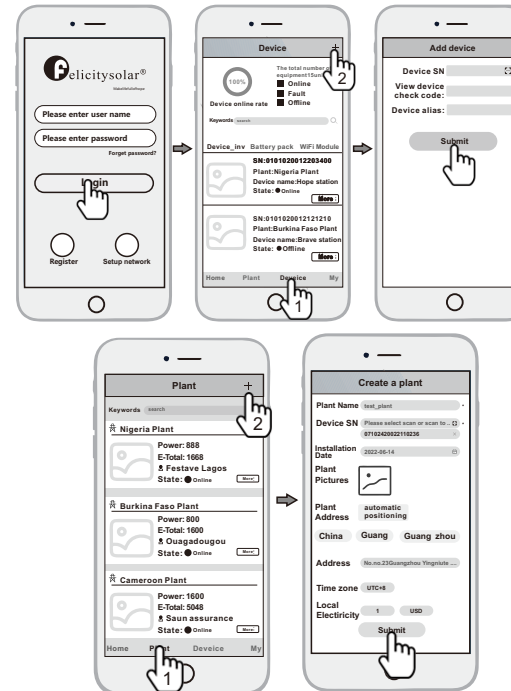
Note: Device SN refers to a solar device serial number, such as an inverter serial number.

5.1.3 Adding plant

1) After adding the device, click the Plant button to enter the plant interface.

2) Click the + button to enter the page of adding the plant fill in relevant information as required and finally click the Submit button to add the plant.

5.2 Manage the device via a web browser, please refer to: https://shine.felicitysolar.com .


Appendix: Troubleshooting table

LED Status			Indicate	Troubleshooting
PWR	COM	NET		
ON			Normal power supply	Normal
ON	ON		Normal communication with solar device	Normal
ON		ON	Normal communication with the data server	Normal
ON	Fast Flash		Upgrading the solar device	Normal
OFF		OFF	The communication with the Smart 4G module is abnormal	1. Check whether the card is inserted 2. Check whether phone card is inserted backwards
OFF			Abnormal power supply firmware	1. Power supply of usb-a port is abnormal 2.Smart 4G module failure
ON	OFF or Slow Flash		Abnormal communication with the solar device	1.Check that the screws are tightened 2.Check whether the USB port connection is abnormal
ON		Flash	Abnormal communication with the router or the data server	1. Check whether the 4G network signal is good 2. Consult the supplier whether the card status is abnormal, such as the phone lock or overdue
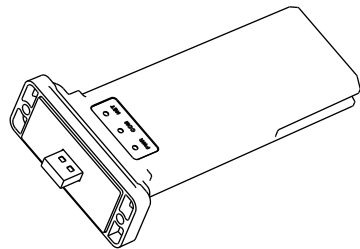
1. 采集器说明

1.1采集器型号

序号	名称	型号	网络	图片
❶	Smart 4G-S	IOTH4001	4G 网络	
❷	Smart 4G-M	IOTH4002	4G 网络	

LED 状态

PWR	亮	电源供电正常
COM	亮	与太阳能设备通信正常
NET	亮	与数据服务器通信正常

2. 物联网卡安装

将开通网络流量的电话卡或物联网卡插入插槽，然后贴上防水胶，如下图所示
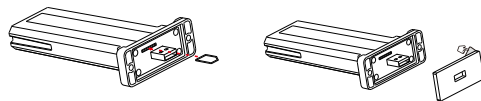
3. 电气连接

将采集器的USB-A端口插入太阳能设备的4G/WiFi端口，并使用螺丝钉拧紧。

菲利斯 Smart 4G 采集器

快速安装指南
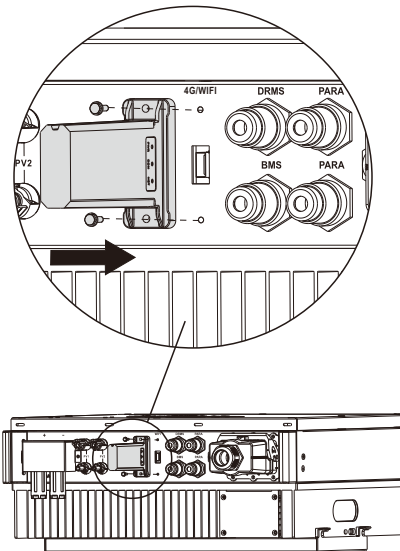
4. 配置网络

4.1.APP下载

扫描右边二维码，下载APP。

Fsolar APP

5. 新增电站

采集器与服务器建立连接后，将传输太阳能设备的数据至服务器。用户通过建立电站后，即可通过APP或web浏览器查看和管理太阳能设备。

5.1 通过APP管理设备

5.1.1 注册账号

运行APP，进入登录页面，单击注册按钮，填写相关信息，进行注册。

5.1.2 添加设备

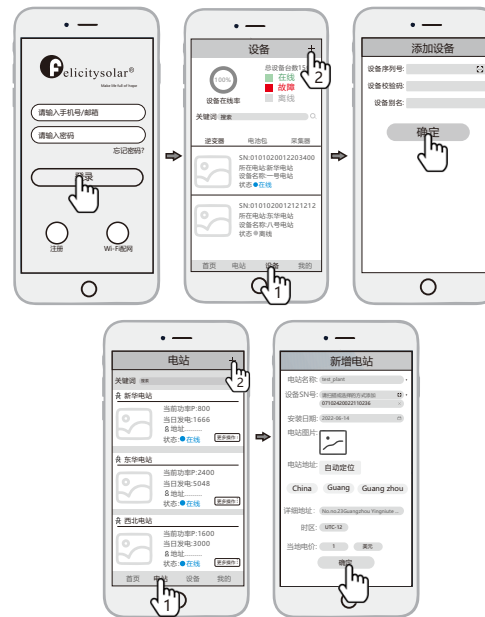1）使用账号登录APP 后，进入首页，单击【设备】按钮，进入设备页面。

2）单击【＋】按钮，进入添加设备页面，按要求填写相关信息。

注：设备序列号是指太阳能设备序列号，如：逆变器序列号。

5.1.3 添加电站

1）添加完毕设备后，再点击【电站】按钮，进入电站页面。

2）单击【＋】按钮，进入新增电站页面，按要求填写相关信息，单击确定按钮即可新增电站。

5.2 通过web 浏览器管理设备，请参考：https://shine.felicitysolar.com.

附：故障排查表

LED 状态			工作状态	排查
PWR	COM	NET		
亮			供电正常	正常工作
亮	亮		与太阳能设备通信正常	正常工作
亮		亮	与数据服务器通信正常	正常工作
亮	快闪		正在升级太阳能设备程序	正常工作
亮		灭	与4G采集器通信异常	1.检查卡是否插上 2.卡是否插反了
灭			供电异常	1.检查是否正确安装螺丝钉 2.检查USB接口连接是否有异常
亮	灭或慢闪		与太阳能设备通信异常	1.检查是否正确安装螺丝钉 2.检查USB接口连接是否有异常
亮		闪烁	4G网络与服务器通信异常	1.确定4G网络信号是否良好 2.咨询供应商该卡的状态是否异常， 如锁卡或欠费