

# User's Guide of SolarGo App

⚠️ The SolarGo App is designed ONLY for on-grid inverters without LCD screen.

## 1 Introduction

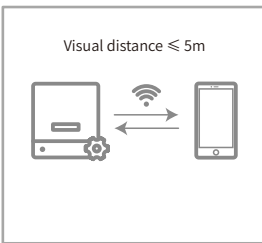
### 1.1 Function

It is an App named as SolarGo which is applied for on-grid inverters without LCD screen. SolarGo communicates with inverter via Wi-Fi locally on site. User can view the running data and alarms of inverter, perform parameters setting by SolarGo.

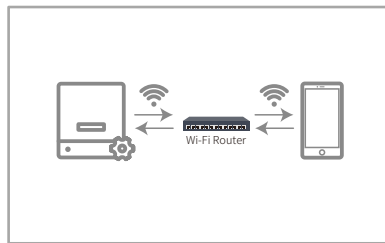
### 1.2 Connection Method

- Inverter is powered on by DC input.
- In order to ensure the stability of Wi-Fi communication, the distance between cell phone and inverter should be kept within 5m.
- The Wi-Fi function of cell phone works normally.

#### Cell phone connects inverter directly



#### Cell phone connects inverter via Wi-Fi router (if inverter already connects to router)



## 2 Install App

You can search 'SolarGo' in Google Play or Apple App Store and install it on your cell phone. Or you can scan the QR code to download and install it.

- Find 'SolarGo' in Google Play or Apple App Store.
- Or scan the QR code right side.
- Install the App.
- It shows as SolarGo.



SolarGo



SolarGo App

### 2.1 Cell phone connects inverter directly

Open [Settings] → [WLAN], enable WLAN, find Solar-WiFi\* (\*is the rear 8 numbers of SN), enter the password of Wi-Fi (12345678). Run SolarGo after connection and the Wi-Fi name of inverter will be shown in the device list.



Inverter's Wi-Fi name is Solar-WiFi plus rear 8 numbers of SN.  
For example, the Wi-Fi name of inverter 8050KMTS16BW0003 is Solar-WiFi16BW0003.

### 2.2 Cell phone connects inverter directly II

Also you can run SolarGo → [+Connect Device] → [Go to the Settings interface] → [Settings] → [WLAN] to connect inverter's Wi-Fi. Refresh device list after Wi-Fi connection.



### 3.2 View running data

After role verification, [Overview] shows and can switch to [Parameters] to view running data.

The Overview screen shows: 8070KMTS184G0005, Normal status, Vpv=494/0/0/0V, Ipv=2.1/0.0/0.0/0.0A, Vac=228/228/228V, Iac=2.3/2.2/2.3A, Fac=49.97/49.97/49.97Hz, Power 1.45KW, EDay 0.0KWh, ETototal 61.4KWh. The Operating Data screen shows: DC voltage/current 1 504V/2.0A, DC voltage/current 2 0V/0.0A, DC voltage/current 3 0V/0.0A, DC voltage/current 4 0V/0.0A, AC voltage 228/228/229V, AC current 2.3/2.1/2.3A, AC frequency 49.96/49.96/49.96Hz, String current 1/2/3 0.4/0.3/1.0A, String current 4/5/6 0.0/0.0/0.1A, String current 7/8/9 0.0/0.0/0.2A, String current 10/11/12 0.0/0.0/0.0A. Version information: Firmware version 10.10.11, Device type XXXXXXXX.

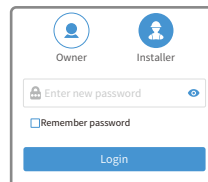


## 3 Installer/Owner Login

### 3.1 Role Verification

1. Click the Wi-Fi name of inverter in device list to login as 'installer' or 'owner' with access code.
2. The original access code of inverters is '1234'.

- Do not share the access code of inverter to others.
- Modify different access code separately for installer and owner.
- The authority for installer and owner is different.
- Only ONE user can login the single inverter at the same time.



### 3.2 Alarms of inverter

After role verification, [Overview] shows and can switch to [Parameters] to alarms of inverter.



**8070KMTS184G0005**

Data Alarm

Vac Failure  
2018-06-19 19:27 Error code: 131072

**Fault details**

SN:8070KMTS184G0005

Code: 131072

**Error Information**  
VAC Failure

**Expanation**  
Inverter detects that AC voltage is beyond the normal range required by the safety country

**Possible Reason**

1. Safety country of inverter is set wrong
2. Grid voltage is not stable
3. AC (To grid) cable too small or too long which makes resistance value is high
4. AC cables are not connected well, which cause a abnormal voltage on AC side

**Solution**

1. Check if safety country of the inverter is set right, if not, please change it to the right one.
2. If safety country is right, then please check (use multimeter) on AC side if the voltage of each phase (Between L1&N, L2&N, L3&N) is within a normal range.

- Check the system following the solution's guide of the alarm.
- Contact GoodWe's service if the alarm cannot be cleared up.
- Contact GoodWe's service if inverter doesn't work without any alarm.

### 3.3 Settings

Enter [Settings] interface, you can set several parameters of inverter.

**Setting**

- System parameters
- Grid connection parameters
- Operating parameters
- Characteristic parameters
- Device maintenance
- Firmware Upgrade
- WiFi Module version V1.1.2.1
- App version V2.1.2

**Grid connection parameters**

Basic setting Connection Jump off setting

Safety option V0E4110

Grid connection Triangle Grid (SW/PE)

**Communication parameters**

RS485 Setting 247

WiFi network Monitor

Communication WiFi

**Device maintenance**

Grid switch

Debugging information

**Firmware Upgrade**

DSP Upgrade

Current Version 10

ARM Upgrade

Current Version 11

**System parameters**

Time setting 2018/6/19 19:20

Change password

**Operating parameters**

Active power setting 100%

Reactive power setting 0%

Power factor setting 1.00

Anti-Reverse

PowerLimit value 2 %

**Characteristic parameters**

ISO 608Ohm

LVRT

HVRT

PR function

COS φ (P) curve

PFJ function

Q(U) function

Q(P) function

Shadow scan

Time Constant 10s

LVRT reactive current-K value 2.0

Active charge gradient 30.0%/min

Protection function test

### 3.4 Upgrade firmware of inverter

This function can ONLY be operated by the authorized personnel when it is indeed necessary.

**Setting**

- System parameters
- Grid connection parameters
- Operating parameters
- Characteristic parameters
- Communication parameters
- Device maintenance
- Firmware Upgrade
- WiFi Module version V1.1.2.1
- App version V2.1.2

**Firmware Upgrade Select**

DSP Upgrade

Current Version 93

ARM Upgrade

Current Version 93

**Select**

Local

SDT\_28377(1)(1).bin  
2019-07-29 05:18:37 +0000

Upgrade

**Step 1**  
Enter 'Setting' page to set up parameters and Click 'Firmware Upgrade'.

**Step 2**  
Click 'Select' and choose firmware file.

**Step 3**  
Click 'upgrade'.

**Warning:** Please contact GoodWe service for firmware file and detailed guideline. Misconduct may cause inverter malfunctioning.

### 3.5 Connect inverter to Wi-Fi network

After role verification, switch to [Settings] → [Communication] → [Wi-Fi Network], enable 'Network Connection' and Wi-Fi network settings interface shows. Choose network name and encryption mode, enter the password, click 'Set' to complete setting.

**Wi-Fi network**

Network connection

Wi-Fi network TP-LINK\_likong

Encryption WPA2PSK(AES)

Password Enter password

DHCP

IP address 192.168.9.100

Subnet mask 255.255.255.0

Gateway address 192.168.9.14

DNS server 192.168.9.14

Set

1. Enable 'Network Connection'
2. Choose Wi-Fi network name
3. Choose encryption mode
4. Enter Wi-Fi password
5. Click

After role verification, switch to [Settings] → [Communication] → [Wi-Fi Network], enable 'Network Connection' and Wi-Fi network setting interface shows. Choose network name and encryption mode, enter password, click 'Set' to complete setting.

**Note:**  
Please download the SEMS Portal App for more Wi-Fi configuration features.

## 4 Troubleshooting

Description	Possible Cause	Solution
Cannot install SolarGo on android phone	1. The version of android system is too low 2. 'Unknown sources' is disable	1. Upgrade android system 2. Enter [Settings], enable 'Unknown sources'
Communication failure	The distance between cell phone and inverter is longer than 5m	Move closer to inverter and reconnect inverter's Wi-Fi
Acquiring data failure during operation	The Wi-Fi connection between cell phone and inverter breaks	Move closer to inverter and reconnect inverter's Wi-Fi
Wi-Fi connection with inverter breaks	Too long distance or weak Wi-Fi signal	Move closer to inverter and reconnect inverter's Wi-Fi
Inverter's Wi-Fi name doesn't show in device list		Try connecting inverter's Wi-Fi more times; If not works, quit app and run app again