

WIFI Communication Module (WIFI-G1) Quick Installation Guide

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1 Installation

1.1 Packing list



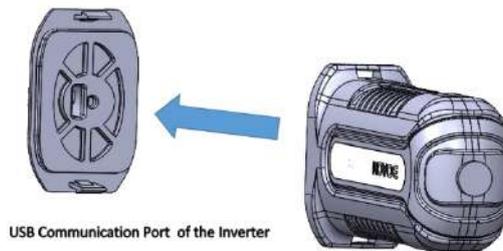
WiFi-G1*1

or



Wi-Fi Stick *1

1.2 Installing the module



USB Communication Port of the Inverter

1.3 Power on

Step 1: Power on the inverter;

Step 2: Power on the router;

Step 3: Check the indicators on the WiFi module and the inverter to confirm the communication status of the WiFi module.

WiFi-Stick		
Indicator	Status	Description
Red LED	On	The communication between the module and the inverter is normal
	Off	The communication

		between the module and the inverter is abnormal
Green LED	On	Network connection is normal
	Off	Network connection is abnormal

WIFI-G1		
Indicator	Status	Description
Red LED	On	Module startup completed
	Off	Module startup failed
Green LED	On	Module not connected to router
	Off	Module connected to router

2 Configuration

2.1 Using APP configuration

Step 1: Download and install the KOYOE App

Scan the QR code in the picture below or enter the website information in your mobile browser to download app



<http://solar.koyoe.com/#/shareEn>

Step 2: Connect the mobile phone to the WiFi hotspot on the inverter. The inverter WiFi hotspot starts with "EAP" or with the inverter SN number "KY", as indicated in the following figure. The default password for WiFi hotspots is 12345678.

WLAN



1



KYET15K0120016666

No internet



2



EAP-65767



koyoe_office



zhongchupuhua



ChinaNet-fZQw



iTV-fZQw



More settings

Step 3: APP Commissioning



Email/User Name/Phone

Password

Auto Login

[Forget Password ?](#)

Login

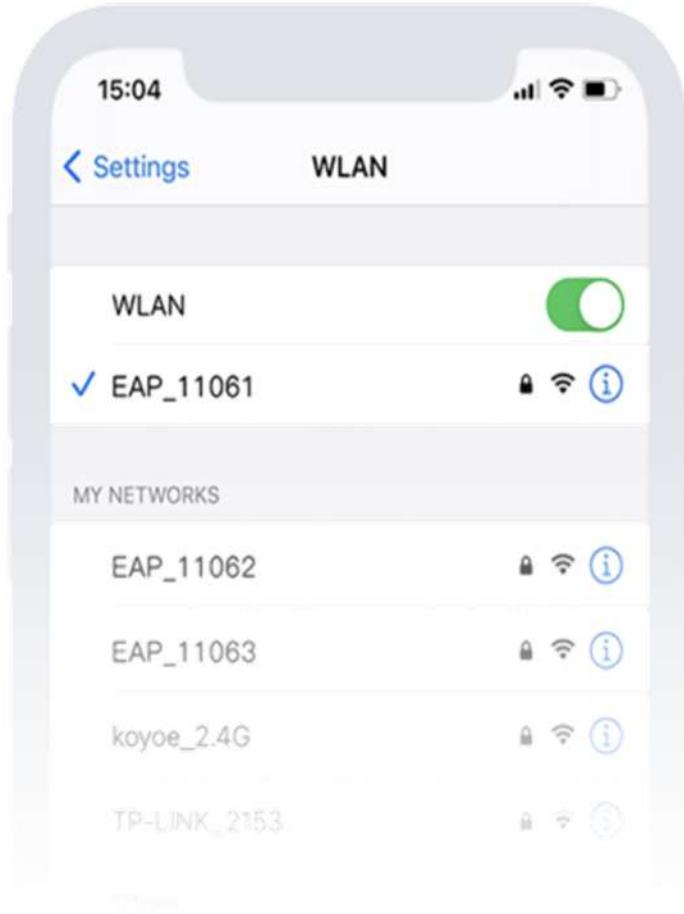
[Installer Login](#)

[WIFI Config](#)

1

No Account? Register Now →

< WIFI Configuration



Please enter [Settings] to connect to WiFi,
select the hotspot starting with "EAP",
the password is 12345678

2

Next



WiFi configuration



Module Name: HF-LPT230

Current Connection: koyoe_office

current state: connected

Select Network

koyoe_office **3**

koyoe_office

Xiaomi_636A

koyoe_office

COMPLETE



WiFi configuration



Module Name: HF-LPT230

Current Connection: koyoe_office

current state: connected

Select Network

koyoe_o

koyoe_o

Xiaomi_

koyoe_o

Input password

Please input a password 4

ca 5 l

confirm

COMPLETE



WiFi configuration



Module Name: HF-LPT230

Current Connection: koyoe_office

current state: connected

Select Network

koyoe_office

koyoe_office

Xiaomi_636A

koyoe_office



Setting up...

COMPLETE



Module Name: HF-LPT230

Current Connection: koyoe_office

current state: connected

Select Network

koyoe_office

Message

Settings completed, device restarted, WiFi disconnected. Are you sure you want to return to the previous page?

6

CONFIRM

COMPLETE

Note: After configuration is completed, the WiFi module will automatically restart.

2.2 Use Web browser configuration

Note: If the hotspot name of the WiFi module starts with "EAP", configure it using Method 1; otherwise, configure it using Method 2.

Method 1 (WiFi-Stick only)

Step 1: Connecting to WiFi hotspots;

Step 2: Enter `http://10.10.10.1` in the browser to enter the configuration page;



Device Information

Serial Number: E480A2165767
Register Key: 78LRTDMQ68GJNJH4
Hardware Version: AEM4-0010-00
Software Version: 4870D21817R

Cloud Information

Connection Status: Connected OK

Firmware Upgrade

No file chosen

Wlan Connection

Wi-Fi

Wi-Fi SSID: koyoe_office
Connection Status: Connected OK

 Device Web

Cloud Information

Connection Status: Connected OK

Firmware Upgrade

No file chosen

Wlan Connection

▾

Wi-Fi SSID: koyoe_office

Connection Status: Connected OK

Using the following static IP address

Address:

Netmask:

Gateway:

Wi-Fi AP list

Firmware Upgrade

Choose File No file chosen

Upgrade

Wlan Connection

Wi-Fi

Wi-Fi SSID: koyoe_office

Connection Status: Connected OK

Using the following static IP address

Address: 192.168.2.90

Netmask: 255.255.248.0

Gateway: 192.168.1.1

Save

Wi-Fi AP list

Scan

koyoe_office

2



koyoe_office



KYET15K0120016666



选择文件 未选择任何文件

Connect

Router SSID:

koyoe_office

Router Password:

password

Cancel

Connect

Netmask: 255.255.248.0

Gateway: 192.168.1.1

Save

Scan

Wi-Fi AP list

koyoe_office



koyoe_office



iTV-fZQw



Method 2 (WIFI-G1 only)

Step 1: Connecting to WiFi hotspots;

Step 2: Enter `http://10.10.100.254` in the browser to enter the configuration page;

中文 | English

System	MID	HF-LPT230
Work Mode	Software Version	4.13.31 (2020-11-06 14:00 2M)
STA Setting	WiFi Work Mode	APSTA
AP Setting	AP mode	
Other Setting	SSID	KYET15K0120016666
Account	IP Address	10.10.100.254
Upgrade SW	MAC Address	EC:FD:F8:A7:02:AC
Restart	STA Mode	
Restore	Router SSID	koyoe_office
	Signal Strength	100%
	IP Address	192.168.2.161
	MAC Address	E8:FD:F8:A7:02:AC

1 **STA Setting**

System
Work Mode
AP Setting
Other Setting
Account
Upgrade SW
Restart
Restore

Network Name (SSID) 2
Note: case sensitive

Encryption Method

Encryption Algorithm

Password 3
 Show passwords

Obtain an IP address automatically

IP Address

Subnet Mask

Gateway Address

DNS Server Address

4

System
Work Mode
STA Setting
AP Setting
Other Setting
Account
Upgrade SW
Restart
Restore

Saved Successfully!

Configurations will take effect after restart.
After restart, you will need to re-login the configuration interface for other settings, so it is recommended to restart after completing all settings.
Please click [Restart] to restart now, or click [Back] to continue setting.
You can restart after all configuration.

5

2.3 Password Setting

Log in using the initial password for the first time and change the password as soon as possible

System
Work Mode
STA Setting
1 AP Setting
Other Setting
Account
Upgrade SW
Restart
Restore

Wireless AP Setting

Network Mode
Network Name(SSID)
Module MAC Address
Select Channel

Wireless AP Security Setting

Encryption Mode
WPA Encryption
 TKIP AES TKIPAES

Password

2

 Show Passwords

3

Network Parameters Setting

IP Address (DHCP Gateway Setting)
Subnet Mask
DHCP Server

System
Work Mode
STA Setting
AP Setting
Other Setting
Account
Upgrade SW
Restart
Restore

Saved Successfully!

Configurations will take effect after restart.
After restart, you will need to re-login the configuration interface for other settings, so it is recommended to restart after completing all settings.
Please click [Restart] to restart now, or click [Back] to continue setting.
You can restart after all configuration.

4

Users can create plant on the KOYOE app or log in to the WEB. The website for creating plant on the WEB is: <https://solar.koyoe.com/#/>

Step 1: Register an account;

Step 2: Log in to the account, improve the plant information, and complete the creation of the plant.



Email/User Name/Phone

Password

Auto Login

[Forget Password ?](#)

Login

[Installer Login](#) | [WIFI Config](#)

No Account? Register Now →



Register

Phone Email

+86  Please Enter Phone Number

Please Enter Verify Code

Send

Please Enter User Name

Please Enter Password

Please Enter Password Confirm

Please Enter Inverter SN



I have read and agree [Privacy Policy](#)

Register



Edit Plant

Basic Information

Plant Name * STKYET30K0123010007

Plant Type * Ground



Capacity(kW) * 0

Time Zone * Please choose



Currency * USD



StateWord * Not Connected



Geographic Location

Area * Please Select
Please Select



Position Please Enter , Please Enter



Address * Please Enter

Grid Purchase Price

 New period/price



Edit Plant

Position

Please Enter , Please Enter



Address *

Please Enter

Grid Purchase Price



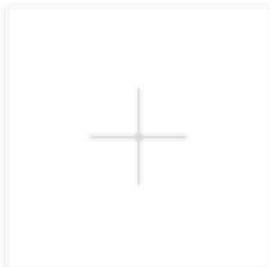
New period/price

Grid Sales Price



New period/price

Plant Pictures



Plant Description

Please enter the description within 500 words

Save

Plant



● Normal 0

● Fault 0

● Offline 1

Name/SN



● STKYET30K0123010007 (30kW)



Solar Power: 0.0 kW

Battery Power: 0.0 kW

Grid Power: 0.0 kW

today

Solar Generation:
0.0 kWh

Battery Charge:
0.0 kWh

Grid Sales:
0.0 kWh



Home



Plant



Fault



User

4 Troubleshooting

No.	Problem	Solution
1	Can't find WiFi hotspot	<ol style="list-style-type: none">1. Make sure that the inverter is powered on and the WiFi module is connected properly.2. Make sure that the smart device is within the communication range of the WiFi module.3. Restart the inverter.
2	Unable to connect to WiFi hotspot	<ol style="list-style-type: none">1. Make sure that the password is entered correctly, default password: 12345678;2. Make sure that no other smart devices are connected to the current WiFi hotspot;3. Restart the inverter and reconnect to the WiFi hotspot
3	Can't log in to http://10.10.10.1 or http://10.10.100.254 webpage	<ol style="list-style-type: none">1. Make sure that the input URL matches the current module;2. Replace with different browsers, such as IE, Google Chrome, etc;3. Restart the inverter

		and reconnect to the WiFi hotspot
4	Can't find router SSID	<ol style="list-style-type: none"> 1. Make sure that the router is enabled in the 2.4G frequency band; 2. Move the router closer to the inverter or add some WiFi relay devices;
5	After configuring WiFi according to the process, the device is still offline	<ol style="list-style-type: none"> 1. Check if the router SSID, encryption method, encryption algorithm, and password on the WiFi configuration interface are the same as the router configuration. If they are different, please modify them; 2. Restart the inverter and router; 3. Move the router closer to the inverter or add some WiFi relay devices;
6	The device serial number does not exist	The device serial number has not been entered into the server. Please contact Koyoe for after-sales processing

7	The device serial number already exists	The device serial number may have been registered by the installer, please contact the installer or Koyoe for after-sales service
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5 Technical Data

Model	Wi-Fi Stick	WIFI-G1
General data		
Max. Inverters supported	1	1
Connection interface	USB	USB
Installation	Plug and play	Plug and play
Dimensions (L*W*D mm)	120 * 37 * 22	131.7 * 55 * 33
Weight (g)	40	
Power consumption (W)	5	2
Protection rating	IPX7	IP66
Operating temperature Range (°C)	-20 ~60°C	-20 ~60°C
Relative humidity (non-	0-100%	<85%

condensing)		
Max. operating altitude (m)	< 4000	< 4000
Wireless Parameter		
Wireless standards and frequencies	802.11 b/g/n (2.412G-2.472G)	802.11 b/g/n (2.412G-2.472G)
Security mechanisms	WPA/WPA2/WPA2-Enterprise	WEP/WPA-PSK/WPA2-PSK
Operating mode	AP/STA/AP+STA	AP/STA/AP+STA
Reference transmission distance (m)	< 10	< 10
Antennae	/	Internal antenna (default); External - cabinet antenna (optional, screw the antenna into the socket by yourself); External - glue stick antenna (optional, screw the antenna into the socket by yourself)