User Manual

Wi-Fi/GPRS Wireless Data Collector

Revision History

The revision history provides description on each document upgrade. The latest version of document includes the upgraded content of all previous versions.

Date	Version	Summary of Changes
2017/11/9	V1.00	Initial version
2018/3/15	V1.01	Update FAQ
2018/4/25	V1.02	Wi-Fi Indicators, protocol, reset button
2018/7/3	V1.03	Product description, Indicators, Specifications

This document is intended for the user to quickly understand the product and its operation. Mobile APP and Cloud Platform can carry out an update and optimization as needed, and provide help documents in the appropriate interface. The specific subjects to the actual operation.

1 Product Overview

Wi-Fi/GRPS Wireless Data Collector is divided into built-in and external type. It can be installed in equipment such as UPS, PV inverters and electric vehicle charging piles. Wi-Fi/GPRS module falls into selectable 5 V version and 12 V version based on its different power voltage. It acquires the equipment information via RS232 or RS485, connects the router / GPRS network via Wi-Fi and sends relevant information to the monitoring platform. Users need to download the "**Solar Assistant** " APP, or log in to the Photovoltaic Cloud Platform, register an account to establish a personal power station, and add the collector to the plant to see the status of the equipment anytime, anywhere.

The APP includes both local and remote modes, the local mode is only for the WI-FI collector, and the remote mode includes both. Most of the operations in the APP remote mode can also be done at www.idbkmonitor.com. The APP pays more attention to quickly adding a collector and monitoring device status and modifying data anytime, anywhere. Photovoltaic Cloud Platform pays more attention to monitoring data show, data analysis, historical inquiry.

Product Features

- Easy operation, flexible configuration
- Independent watchdog, automatic restoring
- Reset button, one-key restoring

Interface Function

- RS232 or RS485 compatibility
- External RS485 debug interface
- External Reset button (RE)
- Signal indicators
- External antenna

Indicators

Indicators		Status	Explanation
Note: In the passthrough r	the same time.		
	Y (yellow)	Slowly flashes	Irregularly. Being lit indicates sending, extinguishing indicates receiving
		Slowly flashes every 3 seconds	Communication is abnormal
485	G (green)	Always illuminated	Power supply is normal
		Not illuminated	Power supply is abnormal
	R (red)	Quickly flashes 3 times per second	GPRS network registry / Wi-Fi
			module connecting to the router
		Slowly flashes once per second	Being connecting to the server
		Slowly flashes every 3 seconds	Acquisition is abnormal
		Not flashing	It is normal

• Wi-Fi/GPRS module of 12 V version

Indicators		Status	Explanation
	LED	Slowly flashes every 3 seconds	GPRS module is normal
	(GPRS)	Not flashing	No boot or abnormal
	LED (Wi-Fi)	Quickly flashes 3 times per second	Being connecting to the router
		Slowly flashes once per second	Being connecting to the server
		Always illuminated	The server connection is normal

• Wi-Fi/GPRS module of 5 V version

Indicators		Status	Explanation
	Acquisition COM (green	Slowly flashes	Irregularly. Being lit indicates sending, extinguishing indicates receiving
	light)	Slowly flashes every 3 seconds	Acquisition is abnormal
	STATE	Slowly flashes	GPRS module is normal
	(blue light)	Not flashing	No boot or abnormal
		Quickly flashes 3 times per second	GPRS is registered on the network
	NET	Slowly flashes once per second	Being connecting to the server
any All an Add Region Add Add	(red light)	Slowly flashes every 3 seconds	Network is abnormal
		Not flashing	It is normal
Manual Provider	Acquisition COM	Slowly flashes	Irregularly. Being lit indicates sending, extinguishing indicates receiving
	(green light)	Slowly flashes every 3 seconds	Acquisition is abnormal
	STATE	Always illuminated	Connect to the router successfully
	(blue light)	Not flashing	No boot or disconnect to the router
	NET (red light)	Quickly flashes 3 times per second	Wi-Fi module connecting to the router
		Slowly flashes once per second	Being connecting to the server
		Slowly flashes every 3 seconds	Network is abnormal
		Not flashing	It is normal

Note: In the passthrough mode, the blue STATE light is not illuminated, the green COM light and the red NET light flash at the same time.

Specifications

Rower veltage	Rated voltage: 12 VDC / 5 VDC				
Power voltage	Voltage range: 9 ~ 18 VDC / 4.5 ~.5.5 VDC				
Power	< 5 W				
Temperature range	-20°C ~ 70°C				
Wi-Fi reset button (RE)	Available				
SIM card	Surface mount SIM card / NANO SIM				
	Model	Baud			
	Off-grid solar inverter 500 W – 3000 W	2400			
	Hybrid solar inverter 3000 W	2400			
Baud	Off-grid solar inverter 10 kVA – 120 kVA	2400			
	On-grid PV inverter 1 kW – 5 kW	9600			
	On-grid PV inverter 30 kW – 50 kW	9600			
	On-grid PV inverter 500 kW	9600			
	On-grid PV inverter 630 kW – 1250 kW	9600			

At a Glance

• Built-in modules



• External modules



• Grid-connected PV string inverters



2 Solar Assistant APP

Download at http://app.idbkmonitor.com/appinfo



Serial Number Management

Each collector has an 8-bit serial number, which is one-to-one correspondence with the serial number on the body shell. It has been set before factory delivery, you can get it from the QR code (or barcode) on the body of inverter. This serial number is required for remote monitoring.





Wi-Fi: The serial number is under the QR code, the initial of sequence number is W.

GPRS: The serial number is under the QR code, the initial of sequence number is G.

APP Context of Use

	Operation Modes	Data Query	Function	Note
GPRS data	Only remote	Solar Assistant APP	View data	
collector	mode available	/ monitoring Cloud		
		Platform		
Wi-Fi data	Remote	Solar Assistant APP	View data, configure	Two
collector	acquisition mode	/ monitoring Cloud	parameters settings	modes can
		Platform		be
	Local	Solar Assistant APP	View data, configure	switched.
	passthrough mode		parameters settings,	
			control equipment	

2.1 Remote Mode

User settings

Open the "Solar Assistant APP", click the SET button in the upper right corner, you can check for updates, set the language, view the help document, as shown below:



User login

Select Remote Mode, first register an account, and then login, as shown below:



Add new plant & collector

The user fills out relevant information to add the monitored power plant. The information of added power plant can be viewed in the list of power stations after adding is successful.

Note: The added power plant must be bound with at least one effective collector. The serial number can be found on the body of equipment, as shown below,



Procedure:

• Positioning correct location of the power plant, as shown below,





- Fill out relevant information of the power plant, as shown below,
- Add the new plant unit, and scan the QR code on the collector via icon or manually enter the 8-bit serial number to add the collector.

2	New Plant		<i></i>		New Station Un	it
1 plant Infor	mation:		2	Plant unit bi	nding collector:	Add Uni
Plant Name	east			Unit Name	test1	Delete
Capacity	100	kWp		Power	100	kV
Currency Symbol	CNY ¥	*			,	
Price	1			Collector SN	1234ABCD 8 SN number	- <mark></mark>
Time Zone	UTC + 8				Add Si	
location	113.906915,22.968410	Q				
Address	广东省东莞市松山湖管委会 6号	工业北路			Submit	
Address	6号					

Monitor plants

Select the monitored plant in the list of power stations to monitor the operation of the plant and devices in the plant, as shown below.



11:43	0.84K/s Ö ∜	Jul China	Mobile 4G	84%		
÷	D栋厂	¯房LM-ŧ	#2	history		
	Last Update Time	e :2017-10	-17 11:40:02	1		
Com	prehensive Qua	intity				
Т	otal power capaci	ty	471080.7	kWh		
C	aily power capaci	ty	327.5	kWh		
E	nvironment tempe	erature	36	0°℃.		
PV S	lide					
F	V Total Current		343	3.1 A		
F	PV Total Power 184000 w					
Grid	Side					
A	Phase Input Volta	age	304	4.0 V		
E	Phase Input Volta	age	303	3.0 V		
C	Phase Input Volta	age	304	4.0 V		
A	Phase Input Freq	uency	49.9	0 Hz		
E	Phase Input Freq	uency	49.9	0 Hz		
C	Phase Input Freq	uency	49.9	0 Hz		

Latest status of the device

Power station settings

Enter the power station interface, click the button in the upper right corner. As shown in the picture, you can share the power station, edit the power station, Add the collector to the station.



2.2 Local Mode

Note:

- The form of the collector Wi-Fi module hotspot is AP + 8-bit serial number, and the password is 00000000 by default. Hold and press Reset button SW2 (stator RE position) for 12 seconds, the initial password of Wi-Fi will be restored, and release the hotspot for local connection
- For the Wi-Fi collector, to achieve remote monitoring, it is necessary to connect the router, which is the acquisition mode
- In a routerless environment, set the Wi-Fi collector to local passthrough mode
- Wi-Fi collector does not allow multiple mobile devices to connect at the same time

Function 1: Wi-Fi connection

Note: If the Wi-Fi collector is not connected to the router, the mobile phone should be connected to the Wi-Fi hotspot. If the collector has been connected to the router, you need the phone is also connected to the same router, and then open the phone APP for device connection. APP operation procedure:

1. Turn on the Wi-Fi on the phone, and then find Wi-Fi module hotspot (AP + 8-bit serial number) and connect it (The Wi-Fi module password is 00000000 by default), as shown in Figure 1.



	中国联通 🗢 9:32 AM	💓 🕸 🔜 🗲
<	Local Mode	
্থি	Device Connect	>
0	Module Setting	>
4	Router Connect	>

Figure 1

Figure 2

2. Open Solar Assistant APP, select Local Mode, and then select Device Connect, as shown in Figure 2. Select the required Wi-Fi hotspot in the module list, as shown in Figure 3.

●●●○○ 中国联通 令	9:32	АМ	◙ ∦ 📥≁
<	Device C	connect	
PLEASE SELECT	A MODULE.		
AP-CNAMJM 172.16.1.57	1C0		>
AP-X3KC3N	YQ		>
kkhhhbvvc 172.16.1.51			>
Fi	gure 3	iOS	

3. Confirm the information and click on the Connect button, as shown in Figure 4. Wait for APP connection and recognition, as shown in Figure 5.

●●○○○ 中国联通 令	9:37 AM	◎ * 📥 +
<	AP-X3KC3NYQ	Connect
IP		
HOST		172.16.1.54
Port		8899
COM ADDRESS		
Com Address	5	1
_	igure 4 iOS	

••••• 中国联通 🗢	上午11:27	@ 0 🗩 +					
X tlsi20	X tlsi2016071800001 76						
Summary	Set						
Normal(System Sleep) Active Power: 0.00kW No Alarm							
52							
0.00kw/h	1	<u>alal</u> 4.56kw/h					
Today Energy	, Т	Total Energy					
Q 4.55kg reduction of CO	D ₂ red	0.14 _{kg}					

Figure 5

Function 2: Module settings

Procedure:

1. Turn on Wi-Fi on the phone, and then find Wi-Fi module hotspot (AP + 8-bit serial number) and connect it (The Wi-Fi module password is 00000000 by default), as shown in Figure 6.





2. Open Solar Assistant APP, select Local Mode, and then select Module Setting, as shown in Figure 7. Select the required Wi-Fi hotspot in the module list, as shown in Figure 8.

Local Mode Device Connect	
	>
Module Setting	>
Router Connect	>

••••• 中国)		◙ \$ ■
	Module Setti	ng
PLEASE S	SELECT A MODULE	
AP-CN	AMJMC0	
AP-X3k 172.16.1.5	C3NYQ	
AP-YTC 172.16.1.5	BOVVXB	
kkhhhb 172.16.1.5		

Figure 7

Figure 8

3. Click setting item and perform settings according to the prompt, as shown in Figure 10.

BASIC INFOR	MATION		
Module Typ	be	HF	4
IP		172.16.1.5	52
SERIAL SETTI	NG		
Baud Rate		9600	>
Data Bits		8	>
Check Bits		None	>
Stop Bits		1	>
		Confirm	
COLLECTOR	PROTOCOL SETTING		
Protocol		35KWLPV	>
Address		33	>
		Confirm	

1	Module Setting	Restart
<u>\</u>	Module Setting	Restart
BASIC INFO	RMATION	
Module T	уре	HF4
IP		172.16.1.52
SERIAL SET	TING	
Baud	Set successfully	00
	After modifying this paramete ust restart the module to take	
Chec		ne 🤇
Stop	OK	1 >
		Confirm
COLLECTO	R PROTOCOL SETTING	
Protocol		35KWLPV
Address		33 0
		Confirm



Figure 9

4. Module restart. Click on the Restart in the upper right to restart the module, as shown in Figure 11.

•••• 中国	联通 🗢 🛛 10	:50 AM	@ Ø	*+		
<	Modul	e Setting	Res	tart		
BASIC IN	FORMATION					
Module	е Туре			HF4		
IP			172.1	6.1.52		
SERIAL S	ETTING					
Baud		estart		> 00		
Data	seconds, APP d	module restart will take about 3 onds, APP disconnected, pleas nnect the device again after re-				
Chec		cting Wi-Fi.		ne >		
Stop	ОК	Canc	el	1 >		
COLLECT	FOR PROTOCOL S	SETTING	Cont	firm		
Protoco	ol	З	5KWL	PV >		
Addres	s			33 >		
			Cont	firm		

Figure 11

Additional information:

Wi-Fi module operation mode is switched to acquisition mode.

APP operation: In above procedure 3, select the protocol of acquisition protocol settings, as shown in Figure 12.

<	Module Setting	
BASIC INFORMA	TION	
Module Type		HF4
IP		172.16.1.52
	Protocol	
	Passthrough	
	EA single	
	35KWLPV	
	1-5KLPV II	
	GF500-3000w	
	1-5KLPV III	
	Cancel	



- 1. Switch to acquisition mode: Select the corresponding model option, set address (address: device communication address)
- 2. Click OK to modify it after the setting is completed, click module restart after the setting is completed successfully.

Wi-Fi module operation mode is switched to local passthrough mode.

APP operation: In above procedure 3, select the protocol of collector protocol settings, as shown in Figure 13.





- 1. Switch to local mode: Select Passthrough option.
- 2. Click OK to modify it after the setting is completed, click module restart after the setting is completed successfully.

Function 3: Connect the router

Procedure:

1. Turn on Wi-Fi on the phone, and find Wi-Fi module hotspot (AP + 8-bit serial number) and connect it (The Wi-Fi module password is 00000000 by default), as shown in Figure 14.



Figure 14

2. Open Solar Assistant APP, select Local Mode, and then select Router Connect, as shown in Figure 15. Enter Router Connect setting interface, as shown in Figure 16.



Figure 15

Figure 16

3. Click SSID associating AP to search for the SSID of the router requiring Wi-Fi module connection, as shown in Figure 17, and click to select it. When it fails to be searched, click

the refresh icon 🔯 to search again.



Figure 17

4. Click the Password to set the Wi-Fi password connecting to the router (you can skip to the next step if no password is set for the router), as shown in Figure 18, click OK when setting is completed.

<	中国联通			4:22 PI Ile Si		g	e o Rest	art
Asso	ociatin	g AP				dev-	andro	oid >
Pass	word	Of As	ssoci	ating	AP			×
Password Setting Note: after modifying this parameter, you must restart the module.							eter,	rm
		ок			Ca	ancel		
	ļ							
q	w	eli		t y	/ L	1	i o	р
а	s	d	f	g	h	j	k	1
Ŷ	z	x	С	v	b	n	m	\bigotimes
123		Ŷ		空	格		扬	約

Figure 18

5. Confirm the modifications. After the SSID and password settings are completed, click OK to confirm the parameter modification settings, as shown in Figure 19.



Figure 19

6. After the setting is successful, the module restarts automatically. After the module restarts, it takes about 30 seconds to prepare. When the Wi-Fi collector connected to the router, there are two ways to view the device data.

One is to add the collector to the plant and view the data via remote mode.

Second, the phone is also connected to the same router, open the APP, select the local mode, you can connect Wi-Fi collector.

3 Photovoltaic Cloud Platform

The function of Photovoltaic Cloud web is more comprehensive compared with mobile APP.



3.1 Add new plant & collector

• Login to the user monitoring interface (<u>www.idbkmonitor.com</u>). Unregistered users need to click on Join Now to be a registered user for free.

EAST Photovoltaic O Photovoltaic Monitor Center	Cloud Platform	Login	System Example Plant	English ▼ 简体中文
			n i	■
Dede	Geo and studied and D			
	fine great wisdom, Be aic housekeeper only for you	e witness Photovoit	alc Cloud.	
Join No				
Running	Overview 🕑 Device Status 🕞 Plant	Real-Data 🛛 Plant Management	Statistical Reports	
82.215 MW Total Installed Capacity	14.498 GWh Total Energy	238.9 kWh Today Energy Output	14.454 kt CO2 Emission Reduction	I

• Enter the Plant List interface. If it is the first time for the user to log in, the user can create a new plant here by clicking on New Plant.

Plant List	Plant Map	+ New Plant	* Add Others To Share Plant			
gf 广东省东莞市松山湖	➡ 🛃 新新工业北路6号	TF/TM/LM局 中国 松山湖管	站 ★ 三 委会易事特集团股份有限公司	TLSI三相组串逆变器局站		
	Plant Owner : EA3KHD Plant Capacity: 10 kW Daily Yield: 1.4 kWh Total Energy: 58.4 kWh		Plant Owner : idbk Plant Capacity: 1550 kW Daily Yield: 3.006 MWh Total Energy: 2.192 G	Plant Owner : idbl Plant Capacity: 210 Daily Yield: 452.6 k Total Energy: 173.	b kw kwh	Plant Owner : idbk Plant Capacity: 43 kW Daily Yield: 67.1 kWh Total Energy: 47.402

• Fill out some basic information of the power plant in the New Plant interface.

> Photovoltaic Monitor Center			≜ ⁰	👤 east	- English	•
1 Fill In The Plan	t Data	Create Unit, Bind The Collector	3 Finish Create Plan			
		Plant Settings				
	Site Name	FORYOU	~			
	Address	中国 v V Ch	oose Point In Map			
		广东省 东莞市 东莞市市辖区				
	Plant Capacity	100	kWp			
	Charge Price	1	~			
*	Currency Symbol	USD \$	×			
*	Time Zone	UTC+8	×			
	* Note: Currency Sym	bol And Time Zone No Changes Will Be Made The Save I Already Understand	After Submission Of			
		Save				

 Click on New Unit button to create a plant unit. Fill out information and click the icon on the right.

The plant unit is a sub-module in the plant. One plant requires one plant unit at least, more plant units can be created as well.

> Photovoltaic M	onitor Center	0	▲ ⁰ 1 east → ■ Engli
	Fil In The Plant Data	Create Unit, Bind The Collector	Finish Create Plant
		Unit×0	
BEST1			
	d Power(kW): 10		

 Click on Add Collector button, enter the serial number of the collector, and then click on Save Collector button.

The serial number of the collector is a string of 8-bit characters, which is composed of numbers and capitals and printed on the connector.

One plant unit relates to one data collector at least, more data collectors can be related as well.

Photovoltaic Monitor Center	English 🔹
Image: Create Unit, Bind The Collector Image: Create Unit, Bind The Collector	
ள் BEST1 🖉	
Installed Power(kW): 10 Inverter Joined Number: 0 Collector Number: 0 Add Collector Save Collector	
No Collector In Current Unit 1234ABCD	
New Unit	

• Follow the prompts given.

3.2 Share Plants

Plant-sharing is to share your account's power plant with other users, allowing others to view your plant data, but other users are not allowed to do any operations on it.

Click icon in the upper right corner of a power plant in the plant list and Setting Default plant & Modify Shared Settings are listed, then the user can set sharing or modify the plant-sharing settings.



3.3 Monitor Plants

• Select a power plant to do operations: monitoring, management, Statistical statement.

Plant Monitor	钳 Plant Management	🖄 Statistic	A ANNA MARANA AN			
Overview Real-Time	Plant Yield Reduction Anal				Oata Last Updale	ed Al: 10/17/2017 15:46:0
		- Coamatalive Yield	Accurrent anter Disconting	CO2 Accumulative CO2	S02 Accumulative S02	
gf Plant Capacity: 10 kW	1.5 KWh	58.5 kWh	36.4 ¥(人民希信元)	58.325	1.755 ^{kg}	0 Trees
Annual Energy: 36.4 kWh Addess: /*5年期5,現本F5LU湖智藝会工业比 期65 5 1/1 Normal ① OFLine: ① Tips: ○ Warning ① Fatal ②	Power (kW) 2.1 1.8 1.5 1.2 0.9 0.6 0.3 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Current Power : 226 V	-O- Genera		100 1200 1900 14	+00 1900
	Generated Energy		← 10/17/	/2017 →		

Monitor devices in real time.



3.4 Manage Plants

Management operations of plant information, plant units and collectors can be implemented via

Plant Management function menu.

• Plant settings

Plar	nt Settings	
Site Name	gf	
Address	Germany Choose Point In Map Hanover, Nizhnyaya Saksoniya	
Plant Capacity	10 kWp	
Charge Price (¥(人民币/日元))	1.0	
Time Zone	UTC *	

Unit management

Click the icon in the upper right corner to do operations of adding, deleting and moving units and collectors.

Photovoltaic Monitor Center > gf		4 0	L EA3KHD - English -
Plant Monitor If Plant Management	🖄 Statistical Reports		
Device Unit Plant Settings			
	En gf Unitst the EA3KHD		_
Installed Power(KW): 0 Inverter Joined Number: 1			
Collector Number: 1 Add Collector Save Collector			
DIANMC3I			
Collector SN			
	New Unit		
		_	
> Photovoltaic Monitor Center > gf		≜ ¹	LEA3KHD - English -
Plant Monitor Ill Plant Management			
Device Unit Plant Settings			
EA3KHD	1		() ← ♥
Installed Power(kW): 0 Inverter Joined Number: 1 Collector Number: 1 Add Collector Save Collector			
D1ANMC3I Move To V Delete			
Collector SN	Delete		
	New Unit		

• Device management

Users can modify the name of device and unload it.

> Photovoltaic Mo	onitor Center > gf			≜ ⁰ ⊥ E⁄	A3KHD 👻 📟 English
D Plant Monitor	👫 Plant Management	🖄 Statistical Repo	rts		
Device Unit Plant	Settings				
Station Unit	Collector	Device SN	Device Type	Device Name	Operate
க் EA3KHD	C D1ANMC3I	= 1	null	feilongyihao	Save Device Uninstall

3.5 Report

It contains monthly power generation report, yearly power generation report, equipment operation data report and equipment failure report.

• Monthly power generation report

The overview displays the pant information data and power generation of each equipment on a certain period, and data can be exported.

	or 😨 Statistical R	leports						
Monthly Report	Years Report History Dat	a Report Device	e Alarm Report					
		Overview	Device Detail	← 10/201	7 🔿 🛃	Export		
Date	Generated Energy	Income	co2	NOx	50 ₂	Carbon Dust	Coal	Tree
Accumulation	92115.9	184231.78	91839.551	1381.734	2763.477	25055.526	36846.36	1197.508
10/01/2017	2893.7	5787.4	2885.019	43.405	86.811	787.086	1157.48	37.618
10/02/2017	4786.3	9572.6	4771.941	71.794	143.589	1301.874	1914.52	62.222
10/03/2017	7144	14288	7122.568	107.16	214.32	1943.168	2857.6	92.872
10/04/2017	7936.1	15872.2	7912.292	119.041	238.083	2158.619	3174.44	103.169
10/05/2017	8872.3	17744.6	8845.683	133.084	266.169	2413.266	3548.92	115.34
10/06/2017	5089.9	10179.8	5074.63	76.348	152.697	1384.453	2035.96	66.169
10/07/2017	7071.9	14143.8	7050.684	106.078	212.157	1923.557	2828.76	91.935
10/08/2017	8610.4	17220.8	8584.569	129.156	258.312	2342.029	3444.16	111.935
10/09/2017	8739.3	17478.6	8713.082	131.089	262.179	2377.09	3495.72	113.611
10/10/2017	4863.6	9727.2	4849.009	72.954	145.908	1322.899	1945.44	63.227
10/11/2017	6719	13438	6698.843	100.785	201.57	1827.568	2687.6	87.347
10/12/2017	8424.3	16848.6	8399.027	126.364	252.729	2291.41	3369.72	109.516
10/13/2017	5173	10346	5157.481	77.595	155.19	1407.056	2069.2	67.249
10/14/2017	3045.9	6091.8	3036.762	45.688	91.377	828.485	1218.36	39.597

• Equipment failure report

> Photovoltaic Monitor	Center > TF/TM/LM局站			🌲 🔍 💶 English 🔹
	Statistical Reports			
Monthly Report Years Report	History Data Report	Device Alarm Report		
All Devices All Alarm L	evels • 10/17/2017 00:00	TO 10/17/2017 16:15	5 🔤 📥 Export	
Alarm Describe	Alarm Level	Alarm Device	Alarm Time	Finish Time
Utility Fault	Warning	A栋宿舍TM-#1	10/17/2017 15:07:10	10/17/2017 15:07:52
System Fault	Warning	A栋宿舍TM-#1	10/17/2017 15:07:10	10/17/2017 15:07:52
Communication Lost	Warning	A栋宿舍TM-#1	10/17/2017 14:16:01	10/17/2017 14:16:07
System Fault	Warning	A栋宿舍TM-#1	10/17/2017 14:15:37	10/17/2017 14:16:01
Communication Lost	Warning	A栋宿舍TM-#1	10/17/2017 14:12:01	10/17/2017 14:13:13
System Fault	Warning	A栋宿舍TM-#1	10/17/2017 14:11:37	10/17/2017 14:12:01
Communication Lost	Warning	A栋宿舍TM-#1	10/17/2017 14:07:46	10/17/2017 14:08:10
Utility Fault	Warning	A栋宿舍TM-#1	10/17/2017 14:05:04	10/17/2017 14:07:46
System Fault	Warning	A栋宿舍TM-#1	10/17/2017 12:16:34	10/17/2017 14:07:46

4 FAQ

• Fail to add the serial number

A: The serial number has been added to the power station. If it needs to be moved or deleted, go to the unit management operation of the power station management.

Forgot Wi-Fi password

A: Hold and press Reset button SW2 (RE) for 12 seconds, the initial password of Wi-Fi (00000000) will be restored, then you can reconfigure it via APP. Password can be modified only in Local passthrough mode.

• Wi-Fi has been connected to the router, how to view the local data

A: Connect the mobile phone to the router, open the Solar Assistant APP, select the local mode, and then click the Wi-Fi connection. The communication address must be the same as the inverter. The default is 1. Or hold and press Reset button SW2 (RE) for 12 seconds, delete the connected router information.

• Wi-Fi has been configured to connect to the router, but fail to find the corresponding collector on the Wi-Fi connection list

A: If the Wi-Fi signal appears on the WLAN list of the mobile phone for a long time, please check if correct acquisition protocol and baud rate are selected for the Wi-Fi; if the phone has been connected to the router, but fail to refresh the Wi-Fi signal for a long time, please check the wireless channel of the router, connect 2.4G channel, 2.4G can't be combined with 5G.

• The reason why the Wi-Fi collector can't be connected to the router

A: There are too many wireless devices connected to the router, the Wi-Fi collector is in passthrough mode.

• The red and yellow indicator lights of the Wi-Fi collector flash at the same time in passthrough mode.

A: This is normal.

• The user manual may differ from the actual situation

A: The user manual is for reference only. APP and Cloud Platform will be updated and optimized as needed. Specific operation shall be subject to the latest help document.