SOLARMAN Smart APP User Manual





FLYFINE DIGITAL ENERGY CO.LTD













Contents

APP User Manual

(1. About Manual 1.1 Manual Content 1.2 Application People	01 01 01
	1.3 Symbol Explanation	01
(2. APP introduction	02
	2.1 Accessory Product	02
	2.2 Download And install	02
6	3 Routine Operations	- 03
	31 New User Registration	- 03
	3.2 Adding Plant	· 04
	3.3 Adding A Logger	05
	3.4 Configure Network	05
(• 4. Function Description	- 07
	4.1 Local Mode Setting	07
	4.1.1 Switch	08
	4.1.2 Running Parameters	08
	4.1.4 System Parameters	· 10
	4.1.5 Common Mode Setting	11
	4.2.1 "Real-time" Page	14 14
	4.2.2 Checking Data	15
	4.3 Pemote Monitoring	16

4.3 Remote Monitoring	 16
4.3.1 Remote Monitoring Page	 16
4.3.2 Monitoring Parameters	 17

¢	5. Warning Code	21
	5.1 System Warning Information	21
	5.2 System Alarm Information	23

• (6. Contact Us	;	29
-----	---------------	---	----

1. About Manual

FLYFINE

1.1 Manual Content

- for users to operate and manage.
- settings may affect the use of the device.
- The document will be updated periodically, please get the latest version manual and more product information from office website.

1.2 Application People

Only applicable to user who have purchased the product can use the logger to operate and visually analyze on the device. Operators should be professionally trained, familiar with local regulation, electrical systems, and the relevant knowledge of the product.

1.3 Symbol Explanation

To better use this manual, the following symbols are used to highlight important information. Please read the symbols and Instruction carefully.

\Lambda Danger

Indicates a highly potentially dangerous situation that would result in death or serious injury if not avoided.

🕂 Warning

Indicates a moderate potentially dangerous if a situation that would result in death or serious injury if not avoided.

<u>/!\</u> Caution

Indicates a low potentially dangerous that would result in death or serious injury if not avoided.

🔥 Notice

Emphasis and additions to the content may also provide tips or tricks to optimize the use of the product, which can help you solve a problem or save you time.

• The manual mainly introduces the common operations of hybrid inverter app, making it convenient

 Before setting parameters, please carefully read the manual and the corresponding device operating manual, familiarize yourself with the functions and characteristics of the product. Incorrect parameter



2. APP Introduction

Intelligent Control APP is a mobile application software that can communicate with the device through Bluetooth and 2.4G Wi-Fi. The following are common function:

- 1. View device running data, software version, warning information, etc.
- 2. Set the grid parameters, battery parameter, power confine, communication parameter, etc.
- 3. Set the operating mode of the inverter.

2.1 Accessory Product

Intelligent Control APP for energy storage series inverter

2.2 Download And Install

Mobile Phone Requirement:

- Phone OS requirement: Android 4.3 and above, iOS 9.0 and above. To ensure the stability of various functions, it is recommended to use phones with versions of Android 8.0, iOS 13.0 and above.
- Phone support web browser meanwhile can connect Internet.
- Phone support WLAN or Bluetooth function.
- The router supports the 2.4GHz wireless frequency band, and WLAN signals cover the location of the device.
- Routers are recommended to use WPA, WPA2, or WPA/WPA2 encryption mode; Not supporting enterprise encryption mode such as airport WLAN and other public hotspots requiring authentication; It is not recommended to use WEP and WPA TKIP as they have serious security flaws. If WEP cannot connect, please log in to the router and change the router encryption to WPA2 or WPA/WPA2.

Download Procedure:

Option 1: Download and install through app store.

- Android or Apple users: Search for "SOLARMAN" in the app store.
- If the application cannot be found in the app store: Please choose option two.

Option 2: Scan the following QR code to download and install. Either Android or Apple.



SOLARMAN Smart

After entering the download page, choose browser at the top right corner of phone to download. Select the Browser Download way, and if there are prompts such as "This application is from an unofficial APP store..." during the installation process, please click "Go on".

3. Routine Operations

If you are using energy storage product for the first time, please open the installed APP and follow the steps blow to complete the routine operation such as new user registration, adding power plants, adding a logger, configuring the networks.

3.1 New User Registration

Steps:

1. Click "Register a new account" at the bottom left of the login page. Registration", "Phone Number Registration" is recommended. Fill in the registration interface information to complete the registration.

- of letters and numbers is recommended.
- be locked for 30minutes.

🛞 China mainland ~ 🔹 • • •	<
🙆 SOLARMAN Smart	E-mail Phone Number
E-mail Phone Number Username	
	Registration Region
E-mail	China mainland >
Password Sec	E-mail E-mail
	Verification Code
I have read and agreed to T&C's and Privacy Policy	Verification Code Send
Log In Register a new account Forgot your account or	Password
password?	Password ©
Local Mode Third-party logins	Password at least 6 bits
	Done
	☐ I have read and agreed toT&Cs and Privacy Policy

2. After entering "Register a new account", you can choose "E-mail Registration" or "Phone Number

• When setting the login password for a new users, the password should be complex. The combination

If the user enters incorrect passwords for five consecutive times within five minutes, the account will

Notice

No

staller to do

Dear owners, do you have O&M in the later stage?

FLYFINE

Steps:

3.3 Adding A Logger

code of the logger.

3.2 Adding Plant

Steps:

- 1. Click "Add Now" on the "My Plants" page.
- 2. Click "No" on the "Notice" page, then click "Create Now".
- 3. "Confirm Plant Location", turn on the phone GPS, the system will automatically lock the current location. If the location is wrong, you can manually modify it.
- 4. "Plant Info", fill in the plant information as prompted. Note: The name of the power plant should be unique to facilitate the background to distinguish.
- 5. Created.

Instruction

- Notice: If your plant has an installer responsible, you do not need to create a new power plant, just inform the installer of the logger information.
- Plant Name: Company users can use the company name, individual users can use any name, do not use only "Inverter", "Energy storage" and other name without distinction.







1. Click "Add a logger" on the "Created" page.

3.4 Configure Network

Steps:

1. Confirm Wi-Fi information

Please ensure that the phone is already connected to the Wi-Fi network in your home is consistent with the network displayed on the page, and enter the password for the network. After completing the input and confirming that the information is correct, click the "Start to configure" button.

Instruction

- The Wi-Fi network only supports 2.4G frequency band, not 5G band. Please confirm before connecting.
- If there is no WiFi signal around the device, try to use the phone hotspots as a Wi-Fi signal.



`			
Basic Info			
Plant Name		Demo plar	nt
Time Zone		(UTC+08:00) Beijing, Changqing, Hong Kong, Urumqi	>
System Info			
Plant Type		Residential Rooftop	>
System Type		Please select	>
Installed Capacity	(kWp)	Please ent	er
Operating Date	(i)	2026-06-07	>
Yield Info			
Currency		CNY	>
Unit Price(CNY/ kWh)	(j)	Please enter (Optiona	all)
Total Cost(CNY)		Please enter (Optiona	all)
	Done		

2. Enter manually device SN on the "Add A Logger" page,or click "scanner" icon to scan the QR

3. After the addition is completed, it will tips "Added".

When adding the logger, the logger should be power on.





APP User Manual

SN:3501130107

Please enter Wi-Fi password

office_2.4G

Require a password?

☆ •••••••

E Text guide

~

Switch

0

orted.Please connect to 2.4G

Demo video

FLYFINE



1. Wait for configuration to complete

Select associate

ddevice

Added

Go to Configu

idded. Normal usage requires Notice: If you select "Later", you can go to "Plant info"-"Device Info" page to

qure the device

Later

SN: 3501130107

Method:Auto-selec

After the configuration starts, the following page will be displayed, please wait until the configuration completes automatically. Please turn on the switch of Wi-Fi and Bluetooth during the configuration process.

If the configuration is successful, the logger still is "Offline" after you return to "Device" list, the device will communicate normally within 10 minutes and collect the data of the device, the status will be update from "Offline" to "Online", please wait patiently.



- 1. Ensure your phone's Bluetooth is turned on;
- 2. Ensure your home Wi-Fi network is working;
- 3. Ensure that the wireless router does not enable the blacklist;
- 4. Try to shorten the distance between phone and device;
- 5. Try to connect with other Wi-Fi network and configure again;
- 6. Try to remove the special characters such as (, ; " = ') from the Wi-Fi network name.

4. Function Description

After installing APP correctly on the phone, registering a new user, adding the plant, adding the logger, configuring network. The following of common function:

Local mode data checking: Check the information such as device's running parameters in real time, fully learn device status.

Local mode data monitoring: Remotely monitor the running status of the device, learn the information such as the production.

4.1 Local Mode Setting

- 1. Click "Me" at the bottom right corner of the home page.
- 2. Turn on the phone Bluetooth, choose "Local Mode" on the "Me" page.
- 3. Scan the QR code of the logger to connect the device.

Configuration Succeeded
Device data will be displayed in 10 mins. After that, you can check device status in device list.
Done

• If the page tips configuration failed, please check and retry for the following possible reasons:

Local mode setting: switch, running parameters, system parameters, common power mode setting, etc.



Instruction

• Running parameters item is more, so please fully learn the function of each parameter before setting.

Switch Runr	ning Parameters	Protection Parci AL	D	
Power Mode Settin	g	General mode	>	
Charging Start Tin	ne	00:00	>	
Charging End Tim	9	23:59	>	
Charging Power		50%	>	
Discharging Start	lime	00:00	>	
Discharging End T	me	00:00	>	
Discharging Powe	r	0%	>	Floo
Cycle of the Batte Activate	y	0m	>	Floc
Active Power Regu	lation	100.0	>	Disc
Reactive Power Re	gulation	0.0	>	Disc
Power Factor Regu	lation	1.0	>	soc
Anti-reflux Enable		OFF	>	Dete
Reflux Uplink Powe	r	12000W	>	Sha
Equalizing Charge	Voltage	56.00V	>	LVR
Equalizing Charge	Current	50.00A	>	Islar
Floating Charge V	oltage	54.80V	>	Ove
LL Red-time		Params	_	

Number	Parameter	Description
1	Power Mode Setting	General mode, off-grid n
2	Charging Start Time	Charging start time in ec
3	Charging End Time	Charging end time in eco
4	Charging Power	According to the battery in economic mode can b
5	Discharging Start Time	Discharging start time in
6	Discharging End Time	Discharging start time in
7	Discharging Power	According to the battery power in economic mode
8	Cycle of the battery Activate	Set to 1 to activate the bo
9	Active Power Regulation	Adjust the output active
10	Reactive Power Regulation	Adjust the output reactive
11	Power Factor Regulation	Adjust the output power
12	Anti-reflux Enable	By the power bureau unif
13	Reflux Uplink Power	Set the on-grid power of
14	Equalizing Charge Voltage	Voltage value during equ
15	Equalizing Charge Current	The maximum current du be adjusted according to
16	Floating Charge Voltage	Voltage value during floc
17	Floating Charge	Current value during floa accordina to the differen

My Plants	+	ME		← Connect the device
	Commissioning	SOLARMAN Smart 170295665	9	
MY PI	ANT	Local Mode	>	
	-	Settings	>	Connecting Please ensure the Logger is normally powered on
Current Production Power	Production Today	Online Service		
Consumption Today	soc	Feedback	>	
Updated 1 r	nins ago	About SOLARMAN Smart	>	
Check the	$ant \rightarrow$			
Top up Senice				
	1	<u> </u>		
Plant	Me	Plant Me	2	

4.1.1 Switch

Steps:

- 1. Click "Params" at the bottom right corner of the setting page.
- 2. Click "Switch" at the top menu bar.
- 3. Select "ON" or "OFF" form "Switch ON and OFF enable" dialog that appears.
- 4. Click "Confirm" after the selection is completed, and the device can execute the corresponding operations.

• The device is turned off by default, and the first boot must be done manually through the above steps.



4.1.2 Running Parameters

Steps:

- 1. Click "Params" at the bottom right corner of the setting page.
- 2. Select the "Running Parameters" at the top menu bar.
- 3. Click "Confirm" after the selection is completed, and the device can execute the corresponding operations.

ing Charge Current 3.00A			
ting Charge Time	30m		
charge Cut-off Voltage	43.20A	>	
charge Max. Current	50.00A	>	
Protection	20%		
ection Mode	Full wave detection		
dow Scan Enable	OFF		
T enable	OFF		
nd Protection Enable	OFF		
rload Reset	OFF	>	
Real-time	Params		

node, economical mode, each mode is introduced in 4.1.5.

conomical mode, the time can be set anywhere from 00:00 to 23:59.

onomical mode, the time can be set anywhere from 00:00 to 23:59.

capacity or user requirement, the percentage of battery charging power be set from 0% to 100%.

economical mode, the time can be set anywhere from 00:00 to 23:59.

economical mode, the time can be set anywhere from 00:00 to 23:59.

capacity or user requirement, the percentage of battery discharging e can be set from 0% to 100%.

attery when it runs low.

power, 0%-100% can be set.

ve power, 0%-100% can be set.

factor, -0.8 to 0.8 can be set.

fied dispatch, to prevent the device from working with the grid.

f device.

ualized charging period, default 56.8V.

uring equalizing charge period, default 20A. This parameter needs to o the different power devices.

at charging period, default 54.8V.

ating charge period, default 3A. This parameter needs to be adjusted nt power devices.



APP User Manual

FLYFINE

Number	Parameter	Description
18	Floating Charge Time	The duration of the battery float charging, default 30 minutes.
19	Discharge Cut-off Voltage	The stop voltage during the battery discharging period, default 43.2V.
20	Discharge Max. Current	The max current during the battery discharging period.
21	SOC Protection	When the device is running off-grid, the battery DOD protection.
22	Detection Mode	Reservation function.
23	Shadow Scan Enable	Reservation function.
24	LVRT Enable	Reservation function.
25	Island Protection Enable	After this function is enabled, the device will be timely shut down for protection when island effect occurs.
26	Overload Reset	Clear the overload fault after overload.

4.1.3 Protection Parameters

Steps:

- 1. Click "Params" at the bottom right of the setting page.
- 2. Select "Running Parameters" at the top menu bar.
- 3. Change the parameters on the "Running Parameters" page.

4. Click "Confirm" after the selection is completed, and the device can execute the corresponding operations.

Instruction

 Protection Parameters only include parameter related to the power grid such as upper and lower limit of voltage and frequency; if the grid voltage or frequency exceeds the range, the device will work off-grid. Please set value as required, the default value is recommended.

Running Parameters	Protection Parameters	ALL
Grid Standard	0	>
Grid Voltage Upper limit	255.0V	>
Grid Voltage Lower limit	185.0V	
Grid Frequency Upper limit	51.50Hz	>
Grid Frequency Lower limit	48.50Hz	>

4.1.4 System Parameters

Steps:

- 1. Click "Params" at the bottom right of the setting page.
- 2. Select "System" at the top menu bar.
- 3. Change the parameters in the "System" page.

4. Click "Confirm" after the selection is completed, and the device can execute the corresponding operations.

<	SN:3509449698	
Parameters	Protection Parameters	System ALL
Time	202	23-12-20 14:49:41 >
Set Meter CC	DM Address	2 >
Fault Loading	3 SN	0 >

Number	Parameter	Description
1	Time	System time of the device
2	Set Meter COM Address	In parallel mode, the addr the rest as the slave.
3	Fault Loading SN	The max current during th

4.1.5 Common Mode Setting

1. General mode: The priority of load energy source in this mode: PV> Grid> Battery.

2. Off-grid mode: The priority of load energy source in this mode: PV> Battery.

3. Economical mode: The priority of load energy source in this mode: PV> Grid> Battery or PV> Battery> Grid.

- 4. Custom mode: PV> Battery> Grid.
- 5. Parallel mode: Support muti-device parallel operation to improve the load capacity.

• Please read carefully and understand fully the characteristics of each mode, then set the working mode as required.

Mode Setting:

- 1. Click "Power Mode Setting" on the "Running Parameters" page.
- 2. Select "General Mode" from the pop-up dialog.

Switch Running Parameters	Protection Parc ALL
Power Mode Setting	General mode
Charging Start Time	00:00
Charging End Time	23:59
Charging Power	50%
Discharging Start Time	00:00
Discharging End Time	00:00
Discharging Power	0% >

(1) General Mode

- 1. The priority of load energy source in this mode: PV> Grid> Battery.

- 4. When the PV and grid are abnormal, the battery provides energy for the load.

ress need to be set in sequence such as "1,2,3,...", with 1 as the host and

he battery discharging period.

General mode Off-grid mode	Power Mo	de Setting	
Off-grid mode	General mode		•
	Off-grid mode		
Economical mode	Economical mode		0

2. When the PV power is normal, the device preferentially use PV power to supply energy to the load, excess power can charge the battery, and if there is more, it can be sold to the grid.

3. When the PV power is abnormal or insufficient, the power grid supply energy to the load.

FLYFINE

• In general mode, the battery can be charged by PV, and the battery energy can only supply to the load, can not be sold to the power grid.

(2) Off-grid Mode

The priority of load energy source in this mode: PV> Battery.

2. In off-grid mode, the inverter outputs the standard sine-wave 230 voltage to ensure the purity of the load power.

3. When the PV power is normal, the device preferentially use PV power to supply energy to the load.

4. When the PV power is abnormal or insufficient, the battery provides energy for the load.

- In this mode, if only PV supply and no battery, the device does not start.
- In this mode, the battery can only be charged by PV. And in order to ensure the purity and sinusoidal output waveform, the power grid will not be able to bypass.

(3) Economical Mode

The priority of load energy source in this mode: PV> Grid> Battery or PV> Battery> Grid. The priority depends on the parameters setting.

1. During the battery charging period: The priority of load energy source: PV> Grid> Battery.

- When the PV power is normal, the device preferentially use PV power to supply energy to the load, excess power can charge the battery, and if there is more, it can be sold to the grid.
- When the PV power is abnormal or insufficient, the power grid supply energy to the load, while charging the battery at the set power.
- Note: Only in this mode, the power grid may charge the battery, so it is recommended to set this period in the electricity price the valley.

2. During the battery discharging period: The priority of load energy source: PV> Battery> Grid.

- When the PV power is normal, the device preferentially use PV power to supply energy to the load, excess power can be sold to the grid.
- When the PV power is abnormal or insufficient, the battery supply energy to the load.
- When the battery voltage is lower than the discharge cut-off voltage, the power grid will supply energy to the load.
- Note: In this mode, if the battery discharge power is set to a large value and the load power is small, the excess power will be sold to the power grid.

Charge or discharge period setting

Set the economical mode and the charge or discharge period. (Note: The charge period and the discharge periods cannot coincide such as the charge period set 00:00-00:59, the discharge period set 01:00-23:59.)

Switch Running Parameters	Protection Para ALL
Power Mode Setting	General mode >
Charging Start Time	00:00 >
Charging End Time	23:59 >
Charging Power	50% >
Discharging Start Time	00:00 >
Discharging End Time	00:00 >
Discharging Power	0% >

Switch	Running Parameters	Protection Para AL	L
Power Mod	e Setting	General mode	
Charging S	tart Time	00:00	>
Charging E	nd Time	23:59	>
Charging P	ower	50%	>
Discharginę	g Start Time	00:00	>
Discharginę	g End Time	00:00	>
Discharging	g Power	0%	>
Cycle of the Activate	e Battery	0m	>
Active Pow	er Regulation	100.0	>
Reactive Po	wer Regulation	0.0	>
Power Fact	or Regulation	1.0	>
Anti - reflux	Enable	OFF	>
Reflux Uplin	k Power	12000W	>
Equalizing (Charge Voltage	56.00V	>
Equalizing (Charge Current	50.00A	>
Floating Ch	arge Voltage	54.80V	>
Rec	II. 4-time	Params	

(4) Custom mode

- This mode is one of the more commonly mode for users, and is suitable for areas with the good grid quality and not obvious step electricity price.
- The priority of load energy source: PV> Battery> Grid.

• There is no APP direct option in this mode, which can be realized by the corresponding APP settings and external CT.

Custom mode setting

- 1. Install the external CT with reference to the device manual.
- 2. Set the economic mode in the APP.
- 3. Set the device in the discharge period.
- 4. Turn on "Anti-reflux Enable".
- 5. Set "Reflux Uplink Power" to 0W

 Set the device to always operate during the discharge period. The charge period can be set 00:00-00:00, the discharge period can be set 00:01-23:59.

FLYFINE

Charge or discharge period setting

Set the economical mode, and set the current and power of charge or discharge, the power is displayed by device power percentage.

oating Charge Current	3.00A >	
pating Charge Time	30m >	
scharge Cut-off Voltage	43.20A >	
scharge Max. Current	50.00A 🔿	
DC Protection	20% >	
etection Mode	Full wave detection \geq	
nadow Scan Enable	OFF	
/RT enable	OFF	
and Protection Enable	OFF	
verload Reset	OFF >	
Real-time	Params	-

Switch Running Parameters	Protection Para ALL
Power Mode Setting	General mode >
Charging Start Time	00:00 >
Charging End Time	23:59 >
Charging Power	50% >
Discharging Start Time	00:00 >
Discharging End Time	00:00 >
Discharging Power	0% >
Cycle of the Battery Activate	0m >
Active Power Regulation	100.0 >
Reactive Power Regulation	0.0 >
Power Factor Regulation	1.0 >
Anti-reflux Enable	OFF >
Reflux Uplink Power	12000W >
Equalizing Charge Voltage	56.00V >
Equalizing Charge Current	50.00A >
Floating Charge Voltage	54.80V >
Eed-time	Params



FLYFINE

Instruction

<

4.2.2 Checking Data

(5) Parallel mode

• This mode is one of the more commonly mode for users, this mode supports anti-device parallel operation to improve the load capacity.

• There is no APP direct option in this mode, which can be realized by the corresponding APP settings and parallel wiring of muti-device.

Parallel Mode Setting

- 1. Connect the parallel power line and the parallel communication line by referring to the device manual.
- 2. Set the "Set Meter COM Address" for each device respectively on the "System" page, with 1 as the host and the rest as the slave.
- 3. After setting, power off the entire system and reset it, then power it again.

		System	ALL
Time		2023-12-20 14:49	:41 >
Set Meter CC	0M Address		2 >
Fault Loading	1 SN		0 >

Instruction

• When running in the parallel mode, the parameters still need to be set separately for each device. Please check that the power mode of each device is the same before starting, otherwise the device may not work normally

4.2 Local Mode Data

Instruction

• All parameters are real-time data in the local mode, and can only be checked, without any modification or setting, just for users to check the status of the device.

4.2.1 "Real-time" Page

Select "Real-time" at the bottom left corner to enter the real-time data page.

			-		_
Solar	Back-Up	Inverter	Battery	Grid A	LL
DC Vol	tage 1			0.4V	
DC Vol	tage 2			0.7V	
DC Cu	rrent 1			0.00A	
DC Cu	rrent 2			0.00A	
DC Pov	ver 1			OW	
DC Pov	wer 2			0W	
Total P	V Energy			23.5kWH	

<	SN:35094	49698		<		SN:35094	49698
Solar Back-Up	Inverter	Battery	Grid ALL	Solar	Back-Up	Inverter	Batter
DC Voltage 1			0.4V >	Back-U	Ip Voltage A		
DC Voltage 2			0.7V >	Back-U	Ip Voltage B		
DC Current 1			0.00A >	Back-U	lp Voltage C		
DC Current 2			0.00A >	Back-U	Ip Current A		
DC Power 1			ow >	Back-U	lp Current B		
DC Power 2			ow >	Back-U	lp Current C		
Total PV Energy			23.5kWH >	Back-U	Ip Frequency A	A	
				Back-U	Ip Frequency B	В	
				Back-U	p Frequency (c	
				Back-U	Ip Power A		
				Back-U	Ip Power B		
				Back-U	Ip Power C		
				Back-U	lp Power		
				Total Bo	ack-Up Energy	y	
L					Ц		

for users to check the status of the device.

< sı	1:35094	49698				<	:	SN:3509	44969
nverter Battery	Grid	Meter	PV	Wo	ALL	Inverter	Battery	Grid	Met
Battery Voltage					52.5V	Grid Volto	age A		
Battery Current					0.90A	Grid Volto	age B		
Battery Power					47W	Grid Volto	age C		
Battery Capacity					85%	Grid Curr	ent A		
Battery Working Status				Sto	andby	Grid Curr	ent B		
Battery Test Status				All al	lowed	Grid Curr	ent C		
BMS COM Status				F	Failure	Grid Freq	uency A		
BMS Temperature					0.0°C	Grid Freq	uency B		
BMS Max. Charging Current				24	A00.04	Grid Freq	uency C		
BMS Max. Discharging Current				24	A00.04	Output Po	ower A		
LC Voltage					14.8V	Output Po	ower B		
LC Current					0.14A	Output Po	ower C		
Total Battery Charge Energy				53	.5kWh	Reactive	Power A		
Total Battery Discharge Energy				26	.6kWh	Reactive	Power B		
						Reactive	Power C		
						Power Fax	ctor A		
						Power Fax	ctor B		
<u>Ih</u> Red-time			Po			R	<u>III</u> Red-time		

• All parameters in this page are real-time data and can only be viewed, not modified or set, just

ry Grid 🖡	LL
1.1V	>
1.0V	>
1.1V	
0.00A	>
0.00A	>
0.00A	
50.00Hz	>
50.00Hz	>
50.00Hz	>
1W	>
2W	
2W	
5W	
0.0kWH	
Params	-

<	SN:35094	49698		
Solar Back-Up	Inverter	Battery	Grid ALL)
Inverter Voltage			1.4V >	
Inverter Current			0.15A >	
Inverter Power			ow >	
Inverter Voltage A			1.4V >	
Inverter Voltage B			1.5V >	
Inverter Voltage C			1.3V >	
Inverter Current A			0.15A >	
Inverter Current B			0.16A >	
Inverter Current C			0.14A >	
Inverter Power A			OW >	
Inverter Power B			OW >	
Inverter Power C			ow >	
Total Inverter Power			ow >	
Inverter Temperature			26.7ºC →	
Run Mode			0	
M_Ubus			14.4V >	
S_Ubus			14.3V >	
Real-time			Rarams	

	Var ALL
	235.8V
	233.5V
	231.8V
	0.23A
	0.21A
	0.19A
	50.02Hz
	50.02Hz
	50.02Hz
	-2W
	-2W
	-3W
	OW
	Ow
	Ow
	0.800
	0.800
Params	

<		SN:3509449698				
			Meter			
Meter Power	A					-2W
Meter Power	в					-8W
Meter Power	С					-4W
Meter Total F	Power					-14W
Meter COM S	Status					Failure
Real-	le time				Params	

<

Warning Time

BMS2 Warning Information 1

BMS2 Warning Information 2

System Alarm Info

System Warning

System Warning Information 2

BMS1 Alarm information

BMS2 Alarm information

BMS1 Warning Information

BMS1 Warning Information

System Alarm Information

System Alarm Information

System Alarm Information

<u>th</u>

SN:3509449698

Warnina Code

<

Time

Model

SN

Rated power

FM Version of Stm32

FM Version of DSP_master

FM Version of DSP_slave

<u>th</u>

FM Version of CPLD

ALL

2023-12-20 14:48:09

15:Remote shutdowr

5:Under Upv

SN:3509449698

Sustan

<

E-PV-Day

E-PV-Month E-PV-Year

E-PV-All

P-Load

E-Load-Day

E-Load-Month

E-Load-Year

E-Load-All

E-Buy-Day

E-Buy-Month

E-Buv-Year

E-Buy-All

E-Sell-Day

E-Sell-Month

E-Sell-Year

E-Sell-All

<u>th</u>

ALL

2023-12-20 14:48:14

AEP-3P12KS48

12000W

307

205

205

2310129999

SN:3509449698

Energy ALL

0.0kWh

0.0kWh

23.5kWh

23.5kWh

0.0kWh

2.0kWh

36.4kWh

36.4kWh

0.0kWh

1.3kWh

63.3kWh

63.3kWh

0.0kWh

2.7kWh

32.3kWh

32.3kWh

OW

FLYFINE



4.3 Remote Monitoring

Instruction

- Remote monitoring data in the APP from the storage cloud.
- Considering the capacity limitations of the storage cloud, the data is updated every 5 minutes.
- The plant data is always saved, the device's daily data is generally saved for half a year.
- The remote monitoring data is only for viewing, just to facilitate users to understand information such as power production, you can not make any changes or settings to the device.

4.3.1 Remote Monitoring Page

Steps

- 1. Click "Plant" at the bottom left of the home page.
- 2. Click "Check the plant" at the "Plant" page to enter "Plant Details" page.
- 3. There are four parts of "Plant details" page, "Real Time", "Statistics", "Device", "Alarm".

4.3.2 Monitoring Parameters

Real Time

• Status diagram shows the latest data of the operation, the data is updated every five minutes. • "Production&Consumption" shows the latest data of electric quantity for various mode of the day, the data is updated every five minutes.



	NT		
Unknown ι	pdated time	The Research Street	
Real Time	Statistics	Device	Aler
Production			Grid 0.00W
Battery 0.00W		Cor	sumption
24-hour Tren	d		
÷	2023-12-20		\rightarrow

Production&Consumption Image: Section 2000 S		
B Bottery Char Bottery Char Bottery Char Bottery Char Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery Disc Bottery		Production&Consumption
ge 0.00kWh Self-used Production Today 0.00kWh Battery Disc 0.00kWh Battery Disc 0.00kWh Battery Disc 0.00kWh 0.00kWh Battery Disc 0.00kWh Sunset in 29m>	6	Battery Char
Fead-in 0.00kWh Bottery Disc Disc Nonge 0.00kWh Consumption Today 0.00kWh Power Purchated 0.00kWh Bottery Disc 0.00kWh 0.00kWh 0.00kWh Bottery Disc 0.00kWh 0.00kWh 0.00kWh Bottery Disc 0.00kWh Sublem 0.00kWh Subset in 29m> msumption Power Sunset in 29m>		90 0.00kWh Production Today 0.00kWh
Bottery Disc horge 0.00kWh Consumption Today 0.00kWh Power Purcha sed 0.00kWh Power Purcha Sed Sed Sed Sed Sed Sed Sed Sed		Feed-in 0.00kWh
0.00kWh Consumption Today 0.00kWh Power Purcha sed 0.00kWh Power Purcha sed 0.00kWh Power Purcha Sed 0.00kWh Power Purcha Sed Cloudy 0°C Sunset in 29m>		Bottery Disc harge
Power Purcha sed 0.00kWh 16:00 20:00 24:00 insumption Power Cloudy 0°C Sunset in 29m>		0.00kWh Consumption Today 0.00kwh
16:00 20:00 24:00 ▲ Cloudy 0°C Sunset in 29m>		Power Purcho sed 0.00kWh
onsumption Power	16:00 20:00 24:00	K Cloudy 0°C Sunset in 29m
	onsumption Power	

Plant Details	< Historical Data	< Historical Data
Time Statistics Device Ale	Month Year Total	Month Year Toto
Running Days Self-used Rate ③ 21	← 2023-12 🛅 →	← 2023-12 📾 -
Total Production Contained Feed-in 34.50kwh	26Day Parameter Selection Production 0.00kWh 0.00kWh	26Day Parameter Selec
torical Data		Parameter Selection
Month Year Total	**************************************	Production
\leftarrow 2023-12 \boxplus \rightarrow	6	Feed-in Power
onthly Production Monthly Consumption	5	Energy Purchased
1.00 kwh 0.00 kwh ※茶茶茶茶茶茶茶茶茶白白茶白白茶白白茶茶茶茶茶白 Wh	4	Energy Charged
7	3	Cancel Confirm
j	2 · · · · · · · · · · · · · · · · · · ·	2
4	1	1
3	0	0
2	1 4 7 10 13 16 19 22 25 28 31	1 4 7 10 13 16 19 22 25 28 3
1		
0		

FLYFINE

Device

APP User Manual

	Ir	nverter	
Device	s	tatistics	Architecture
ardimeters			
Electricity	Generation		
DC	Voltage	Current	Power
PV1	8.00V	0.00A	0.00W
PV2	8.60V	4.09A	0.00W
PV3	0.00V	0.00A	0.00W
PV4	0.00V	0.00A	0.00W
PV5		0.00A	
PV6		0.00A	
PV7		0.00A	
PV8		0.00A	
PV9		0.00A	
PV10		0.00A	

0.00W	-2.00
AC Power S/V/B: -2.00W	AC Por -2.00
AC Voltage-A Phase: 0.40V	AC Vol 0.40V
AC Voltage-C Phase: 0.00V	Cumul (Active 26.20
Total Three-phase Production: 26.20KWh	Daily P 0.00k
Daily Solar Production: 0.00kWh	

Device

• "Device" includes "Inverter" and "Logger", the inverter and logger data contain all electrical data during the operation of the device.



← MY PL	ANT 23 hours ago		
Real Time	Statistics	Device	Aler
() All Device	s Offline	с	heck >
Inverter	Inverter SN:3509569801	О	fline
Logger		Device Netwo	rking

Power Grid	\sim	Power Grid	
NBUS Voltage: 285.80V	Grid Status: Static	Power- Battery Pack 1: 57.00W	
R/U/A Phase Grid Power: -2.00W	S/V/B Phase Grid Power: -2.00W	Battery Pack 2	
T/W/C Phase Grid Power: -2.00W	Grid Reactive Power R/U/A	Power- Battery Pack 2: 0.00W	
Grid Reactive Power S/V/B: 0.00W	Grid Reactive Power T/W/C: 0.00W	BMS BMS Sys Alarm0: 0	BMS S 0
0.00W	0.00A	BMS Sys Alarm2: 0	
Total Grid Reactive Power: 0.00A Cumulative Energy	Cumulative Grid Feed-in: 34.50kWh Daily Grid Feed-in:	Temperature	
Purchased: 0.00A	0.00kWh	Temperature- Inverter: 25.90°C	
Daily Energy Purchased: 0.00kWh	Meter AC Current A: 0.28A	MDDT Input	
Meter AC Current B: 0.27A	Meter AC Current C: 0.26A	MPPTI Voltage: 0.00V	MPP 0.0
Meter Power Factor: -167.88	Busbar Voltage: 269.40V	MPPT2 Voltage: 0.00V	MPF 0.0
Grid voltage A: 1.10V	Grid voltage B: 0.90V	MPPT3 Voltage: 0.00V	MPP 0.0
Grid voltage C: 1.20V	Grid current A: 0.15A	MPPT4 Voltage: 0.00V	MPP 0.0
Grid current B: 0.13A	Grid current C: 0.11A	Electricity Consumption	
Grid frequency A: 0.00Hz	Grid frequency B: 0.00Hz	Backup_energy_day: 0.00kWh Total Consumption Power:	Bac 0.0
Grid frequency C: 0.00Hz		0.00W Daily Consumption: 0.00kWh	0ut flow

ent Frequency -ver R/U/A: ver T/W/C: tage-B Phase:

ative Production

Wh

Production (Active): Wh



Backup_energy_total: 0.00kWh Cumulative Consumptior

37.00kWh

Output to load energy flow direction:

Basic Information	\sim
SN: 2310129999	Production Compliance Country: -2.00W
Machine Model (New): 19008	Function Selection: 2
Optional Function Mode: 19008	Rated Output Power: 2
Version Information	\sim
Protocol Version: 0	Main DSP Software Version Number: -2.00W
Vice DCD Coffugre VersionEDC	
Vice DSP Software versionPPG/	A/CPLD Software
206	0
STM32 Program Version Number: 307	

Battery Status:	Battery current 1:
Static	1.10A
Battery Voltage 1:	Battery Voltage 2:
52.48V	0.00V
Battery Current 2:	Battery Power:
0.00A	0.00W

Battery capacity 2: 0.00AH

BMS status 1: 0

BMS Temper 1: 0.00°C

BMS 1_Charge_Imax: 240.00A

BMS 1_DisCharge_Imax: 240.00A

BMS 2_DisCharge_Imax: 0.00A

Busbar Voltage: 0.00kWh

Battery Running Status: 2

Battery pack warning information: 8224

Pack Fault State: 0

0

Battery

SoC:

0

85.00%

Battary Work Mode 2:

BMS status 2: 0

BMS Temper 2:

BMS 2_Charge_Imax:

Total Charging Energy:

Total Discharging Energy:

Daily Discharging Energy:

Battery Operating Mode:

0.00°C

0.00A

53.60kWh

26.70kWh

0.00kWh

Other	\sim
Year:	Month:
23	12
Day:	Hour:
26	10
Minute:	Second:
58	26
Daily Production Hour:	Total Production Hour:
0.00h	0.00h
Daily Running Hour:	Total Running Hour:
0.00h	6.60h
Busbar Voltage 1:	Busbar Voltage 2:
0	0.00V
Busbar Current:	Busbar Current 2:
0.23A	0.00A
Function Switch Status	Signal Strength:
Indication:	0
Currently Valid Settings: 3	Energy Storage Self-check Status: O
Inverter Address: 0	LLC Fault Current: 54.80
LLC Fault Voltage:	Electric Meter Test Results:
432.00	0
FaultCnt: 20.00A	R phase frequency: 0.00Hz
S phase frequency: 0.00Hz	T phase frequency: 0.00Hz

State	``````````````````````````````````````
Inverter status:	Inverter Working Mode: 0
MPPT Working Mode Of PV1: 0	Active Power Mode: 0
MPPT Working Mode Of PV2: 0	MPPT Working Mode Of PV3: 0
MPPT Working Mode Of PV4: 0	Grid Working Status: 0
PV Status: O	Load Mode: 0
Pid Status: 0	
Alert	×
Fault Code 1: 3	Fault Code 2:
Fault Code 3:	Fault Code 4: 0
R Phase Grid Voltage Error Value: 0.00	S Phase Grid Voltage Error Value: 0.00
T Phase Grid Voltage Error Value: 0.00	R Phase Grid Frequency Error Value: 0.00
	T PhaseGrid Frequency

Control		\sim
GPRS Burn-in Mode: 0	DRM: 0	
Control		\sim
Back-Up voltage A: 0.90V	Back-Up voltage B: 0.90V	
Back-Up voltage C: 0.90V	Back-Up current A: 0.00A	
Back-Up current B: 0.00A	Back-Up current C: 0.00A	
Back-Up frequency A: 50.00Hz	Back-Up frequency B 50.00Hz	
Back-Up frequency C: 50.00Hz	Back-Up power A: OVA	
Back-Up power B: OVA	Back-Up power C: OVA	
Back-Up power: OVA		
EPM Management		\sim
Inverter total power: -600W		
EPM Management		\sim
Meter power A: 0.00W	Meter power B: 0.00W	
Meter power C: 0.00W	Meter power: 0.00W	
Meter Status:		

APP User Manual

FLYFINE

5. Warning Code

If you find the abnormal operation of the inverter during use, please check according to the following fault code information and possible causes.

	SN:35094	449698
	Warning Code	
Warning Tim	ie	
BMS1 Alarm i	information	
BMS2 Alarm	information	
BMS1 Warnin 1	g Information	
BMSI Warnin 2	g Information	
BMS2 Warnir Information	ng I	
BMS2 Warnir Information	ng 2	
System Alarr 1	m Information	
System Alarr 2	m Information	
System Aları 3	m Information	
System Aları 4	m Information	
System Wari Information	ning 1	
System Wari Information :	ning 2	
l. I	<u>h</u>	

Logger Data

← Lo <u>ç</u>	gger •••
Device Parameters	Architecture
Electricity Generation	\sim
Embedded Device SN: 3509569801	
Version Information	\sim
Module Version No: LSW5BLE 17 3202 1.10-D 1	Extended System Version: V1.1.00.0B
Version Information	\sim
Data Uploading Period: 5Min	Data Acquisition Period: 60s
Max. No. of Connected Devices: 1	Signal Strength: 94
Heart Rate: 120s	Module MAC Address: E8FDF88C44FD
Extended Function: 15	IV Curve Supported:
Batch Command Supported: 1	Support Reporting Upgrading Progress: 1
AT+UPGRADE Command Supported: 254	Support Data Block Transparent Transmission: Enable

5.1 System Warning Information

The "System Warning Information" includes "System Warning Information 1" and "System Warning Information 2", which is usually issued when voltage, frequency and other anomalies are detected before starting up, and the device is generally not damaged at this time. The warning can be automatically eliminated after the fault is relieved.

Instruction

- When "System Warning Information" appears, please check the warning information and description in the table blow.
- After understanding the fault, determine the possible causes of the fault through "Solutions" and rectify the fault the solution in time.

System Warning Code 1	Warning Event	Description	Solutions
0	Over Ugrid	The Grid Voltage is Higer than the setting value, or the high voltage duration exceeds the setting value of HVRT.	 Check whether the AC within the standard voltage voltage is specification; Check whether grid AC cables are firmly and correctly connected; If the error message still remains, please contact your installer.

Energy ALL
2023-12-20 14:48:09
5:Remote shutdown
5:Under Upv 6:
Params



1	Under Ugrid	The grid voltage is lower than the setting value, or the low voltage duration exceeds the setting value of LVRT.	 Check whether the AC within the standard voltage voltage is specification; Check whether grid AC cables are firmly and correctly connected; If the error message still remains, please contact your installer.
2	Over Fr	Abnormal grid, the grid frequency is higher than the setting value.	 Check the frequency is in the range of specification or not; Check whether AC cables are firmly and correctly connected; If the error message still remains, please contact your installer.
3	Under Fr	Abnormal grid, the grid frequency is lower than the setting value.	 Check whether the frequency is within the specified range; Check whether grid AC cables are firmly and correctly connected; If the error message still remains, please contact your installer.
4	Line Check	The Grid is Loss when the inverter is running	 Check whether grid AC cables are firmly and correctly connected; Restart the inverter 2-3 times; If the fault still existing, please contact us for help.
5	Under Upv	The PV voltage is lower than 120V when turn on the PV switch	 Check the PV is in the range of specification or not; Check whether PV cables are firmly and correctly connected; If the error message still remains, please contact your installer.
6-15	Reserved	/	/

System Warning Code 2	Warning Event	Description	Solutions
0	UBATTERY_LOW	The battery voltage is lower than 44V or lower than the SOC that you setting	 Check the battery voltage; Check whether Battery cables are firmly and correctly connected; Restart the inverter 2-3 times; If the fault still existing, Please contact your installer.

1	UBATTERY_LOSS	The battery is lower than 25V
2	Reserved	/
3	Reserved	/
4	Fault FAN	The FAN isn't working
5	Reserved	/
6	Battery Transient under voltage	The battery voltage is lower than 40V at on moment
7	Reserved	/
8	Reserved	/
9	DC Stop	The DC side isn't working
10-15	Reserved	/
		-

5.2 System Alarm Information

"System Alarm Information" includes "System Alarm Information 1", "System Alarm Information 2" and "System Alarm Information 3", generally, over-voltage and over-current are detected during the operation of the device, resulting in emergency shutdown protection, at this time the device may have been damaged. In this case, power off the device and check the cause to ensure that the device is not damaged before powering it on.

Instruction

• When "System Warning Information" appears, please check the warning information and description in the table blow.

	 Check the battery voltage; Check whether Battery cables are firmly and correctly connected; Restart the inverter 2-3 times; If the fault still existing, Please contact your installer.
	/
	1
	 Restart the inverter 2-3 times; If the fault still existing, Please contact your installer.
	/
6 e	 Check the battery voltage; Check whether Battery cables are firmly and correctly connected; Restart the inverter 2-3 times; If the fault still existing, Please contact your installer.
	1
	/
	 The BUS voltage can't be built from PV or battery. Check whether Battery cables are firmly and correctly connected; Restart the inverter 2-3 times; If the fault still existing, Please contact your installer.
	/



FLYFINE

• After understanding the fault, determine the possible causes of the fault through "Solutions" and rectify the fault the solution in time.

System Alarm Code 1	Fault Event	Description	Solutions
0	Under Upv1	The PV voltage is lower than 20V ,and the current is higher than 2A	 Check the PV is in the range of specification or not; Check whether PV cables are firmly and correctly connected; If the error message still remains, please contact your installer.
1	Over Ipv1	The PV current is higher than 30A	 DC side over current fault Check PV module connect and battery connect; Turn off the DC switch and AC switch and then wait one minute, then turn on the DC/AC switch If the error message still remains, please contact your installer.
2	Over Upvl	Over Upv1The PV voltage is higher than 900V1. Check the PV is in the range of sp not; 2. Check whether PV cables are firm correctly connected; 3. If the error message still remains contact your installer.	
3	Over Ipv2	The PV current is higher than 30A	 DC side over current fault Check PV module connect and battery connect; Turn off the DC switch and AC switch and then wait one minute, then turn on the DC/AC switch again; If the error message still remains, please contact your installer.
4	Over temp	The temperature is higher than 100°C	 Check whether the work environment temperature is too high; Turn off the inverter for 10mins and restart; If the fault still existing, please contact us for help.
5	Over lac	AC over current fault	 AC side over current fault Please check whether the backup load power and common load power are within the range; Restart and check whether it is in normal; Check the backup load connected, make sure it is in allowed power range If the fault still exists, please contact us for help If the error message still remains, please contact your installer.

6	Over Ugrid	The Grid Voltage is Higer than the setting value when the inverter isn't running	1. G 2. C sta 3. C cor 4. li
7	Over Fr	The Grid Frequency is Higer than the setting value when the inverter isn't running	1. G 2. C spe 3. C cor 4. If cor
8	Under Backup	The backup is connected with the Grid	1. C 2. E mu 3. R 4. If hel
9	Over Ubus	The BUS Voltage is Higer than 980V	1. C 2. R 3. If for
10	Over lleak	AC leakage current fault	1. Le 2. C 3. R 4. If for
11	Fault Relay	The Relay isn't working	1. F 2. foi
12	Fault GFD	DC insulation failure	1. P' 2. C invo 3. C cor 4. If cor
13	Over Backup Voltage	The Backup Voltage is high	1. C 2. E 3. R 4. If for

Frid voltage fault Check the AC voltage is in the range of andard voltage in specification; Check whether grid AC cables are firmly and rrectly connected; the error message still remains, please ntact your installer. Grid frequency out of range Check the frequency is in the range of ecification or not; Check whether AC cables are firmly and rrectly connected; the error message still remains, please ntact your installer. Check the backup terminal; Detect the backup voltage with the ultimeter;

Restart the inverter 2-3 times; If the fault still existing, please contact us for Ip.

Check the total power of the inverter; Restart the inverter 2-3 times; If the fault still existing, please contact us r help.

Leakage current fault Check the PV side cable ground connection; Restart the inverter 2-3 times; If the fault still existing, please contact us r help.

Restart the inverter 2-3 times; If the fault still existing, please contact us or help.

PV isolation resistance is too low Check the connection of PV panels and verter is firmly and correctly; Check whether the PE cable of inverter is innected to ground; If the error message still remains, please intact your installer.

Check the backup terminal; Detect the backup voltage with the multimeter; Restart the inverter 2-3 times; If the fault still existing, please contact us help.



APP User Manual

FLYFINE

/

The BUS

600V

fault

1

/

Loss

Loss

stop

Parallel Data

Parallel Phase

Parallel system

The PV boost

current is high

and touch the

/

protection.

/

/

Voltage is

Lower than

The Temper is

/

1

14	XINT lac	The inverter current is high and touch the	 Check the power of the backup load; Restart the inverter 2-3 times; If the fault still existing, please contact us for 		5	Reserved
		protection.	help.		6	Under Ubus
15	Remote Shutdown	Turn off the inverter	 and according to the solution to solve the problem. Restart the inverter 2-3 times; If the fault still existing, please contact us for help. 		7	Reserved
	I			1	8	Fault Temper
System Alarm Code 2	Fault Event	Description	Solutions	-		
0	Fault SPI	The upper computer communicates with the lower computer fault	 Restart the inverter 2-3 times; If the fault still existing, please contact us for help. 	-	9	Over Load Reserved
1	Under Ugrid	The Grid Voltage is Lower than the setting value when the inverter isn't running	Grid voltage fault: 1. Check whether the AC voltage is within the specification; 2. Check whether grid AC cables are firmly and correctly connected; 3. If the error message still remains, please contact your installer.		11	Parallel Data Loss
2	Under Fr	The Grid Frequency is Lower than the setting value when the inverter isn't running	 Grid frequency out of range 1.Check the frequency is in the range of specification or not; 2. Check whether AC cables are firmly and correctly connected; 3. If the error message still remains, please contact your installer. 	-	12	Parallel Phase Loss
3	Under Upv2	The PV voltage is lower than 20V ,and the current is higher than 2A	 Check the PV is in the range of specification or not; Check whether PV cables are firmly and correctly connected; If the error message still remains, please contact your installer. 		13	Parallel Stop
4	Over Upv2	Over Upv2 The PV voltage is higher than 900V	 Check the PV is in the range of specification or not; Check whether PV cables are firmly and correctly connected; 		14	XINT Ipv
			3. If the error message still remains, please contact your installer.	-	15	Reserved

1. check the total power of the inverter; 2. Restart the inverter 2-3 times; 3. if the fault still existing, please contact us for help.

1.Check whether the work environment temperature is too high or too low; 2.Turn off the inverter for 10mins and restart; 3. if the fault still existing, please contact us for help.

1. check the total power of the inverter; 2. Restart the inverter 2-3 times; 3. if the fault still existing, please contact us for help.

1.When in parallel mode, check the parallel communication cable connection and hybrid inverter communication address setting; 2. Restart the inverter 2-3 times; 3. If the fault still exists, please contact us for help.

1.When in parallel mode, check the parallel communication cable connection and hybrid inverter communication address setting; 2.Restart the inverter 2-3 times; 3. If the fault still exists, please contact us for help.

1.Check the hybrid inverter work status. According to the fault code to solve the problem. 2. if the fault still existing, please contact us for help.

1. check the PV voltage and the power of the backup load; 2. Restart the inverter 2-3 times; 3. if the fault still existing, please contact us for help.

APP User Manual

FLYFINE

System Alarm Code 3	Fault Event	Description	Solutions
0	UBUS_OVER	The BUS Voltage is Higer than 980V	 check the total power of the inverter; Restart the inverter 2-3 times; if the fault still existing, please contact us for help.
1	UBUS_LOW	The BUS Voltage is Lower than 600V	 check the total power of the inverter; Restart the inverter 2-3 times; if the fault still existing, please contact us for help.
2	UBATTERY_OVER	The Battery Voltage is Higer than 60V	1.Check the battery voltage;2. Restart the inverter 2-3 times;3. if the fault still existing, please contact us for help.
3	Reserved	/	/
4	ILLC_OVER	The LLC current is high	 check the total power of the inverter include the charging and the discharging current; Restart the inverter 2-3 times; if the fault still existing, please contact us for help.
5	IBuckBoost_OVER	The Buck-boost voltage is high and touch the protection	 check the total power of the inverter include the charging and the discharging current; Restart the inverter 2-3 times; if the fault still existing, please contact us for help.
6	ULLC_OVER	The LLC voltage is high and touch the protection	 1.check the total power of the inverter include the charging and the discharging current; 2.Check the battery voltage; 3. Restart the inverter 2-3 times;4. if the fault still existing, please contact us for help.
7	Fault data SPI	The upper computer communicates with the lower computer fault	 Restart the inverter 2-3 times; if the fault still existing, please contact us for help.

8	Over time SPI	The upper computer communicates with the lower computer fault
9	Over Ibat	The battery current is higher than 1.5 multiples of the setting value
10	Reserved	/
11	Reserved	/
12	Reserved	1
13	Reserved	/
14	ILLC_XINT	The LLC current is high and touch the protection
15	IBuckBoost_XINT	The Buck-boost current is high and touch the protection

6. Contact Us

Installers or users can create user accounts and control device operation through SOLARMAN APP. User can remotely monitor the status of the inverter. Installer can monitor the operating status of power plants, manage the device, check the alarms, operate and maintenance, etc.

If you still can not make the device run correctly according to the above operations, please contact our after-sales team in time, we will solve your problem in first time.

END

 Restart the inverter 2-3 times; if the fault still existing, please contact us for help.
 check the discharging current that you setting; check the total power of the inverter; if the fault still existing, please contact us for help.
1
1
1
/
 check the total power of the inverter include the charging and the discharging current; Restart the inverter 2-3 times; if the fault still existing, please contact us for help.
 check the total power of the inverter include the charging and the discharging current; Restart the inverter 2-3 times; if the fault still existing, please contact us for help.

