# SAJ eSolar AIO3 Pro

Quick Start Guide



LED indicator status description					
	Slow blink	Ethernet is working.			
	Fast blink	Firmware is upgrading.			
Green (Ethernet)	Solid	Module is not conneted to server.			
	Off	No power supply or program fault.			
Plue	Slow blink	Wi-Fi is working.			
(Wi-Fi)	Fast blink	Bluetooth is connected.			

Slow blink(1s on, 1s off); Fast blink(200ms on, 200ms off)

## 1. Button Operations

Module provides a button for users to set the safety standards, check power generation information, fault information, etc. The button operations are as below:

Operations	Functions
Single click	Up/Down page selection
Double click	Returning to the main interface
Long press	Confirm



Screen will return to home interface without further operation for 40s. OLED monitor will turn off without further operation for 50s.

# 2. Usage and Connection

1. When the inverter communication port is a USB port: Installation

Open the cover on the communication port(4G/WIFI port). Insert the communication module to the communication port (4G/WIFI port).





Disassembly

Unplug the AIO3 Pro communication module from the inverter

2. When the inverter communication port is a DB9 port:





Screw hole Screw hole Screw hole

### Installation

Insert the module into the inverter communication port (RS-232/WIFI port), and use 2 screws to secure the AIO3 Pro communication module on the inverter.





#### Disassembly

Use a screwdriver to remove 2 screws and unplug the AIO3 Pro communication module from the inverter.

## 3. Commissioning

- 1. Download the eSAJ Home App and register an account
- a. On your mobile phone, search for "eSAJ Home" in the App store and download the App.
- Or scan the QR code on the AOI3 Pro communication module to download the APP and view product information.
- b. After download, **Register** (If you do not have an account) an account and log in.

### 2. Bluetooth connection

- a. Open the App and click on the three-doticono the top mright corner.
- b. Set the Language to English and Network Node to Overseas Node.
- c. Use the account and password to log in to the App.



- d. Turn on mobile phone Bluetooth connection.
- e. Go to the Service page and select Remote Configuration. Click Bluetooth. Then, click Next.



f. (First login) Choose the **WiFi configuration** or **Ethernet Mode** to access internet from the pop-up window, data can only be sent to server after accessing the internet. If choose **Skip** from the pop-up window, it will enter App's main interface automatically.

#### If you select WiFi configuration, enter the following page.

<	Bluetooth		< wi	Fi configuration
Pairable Devices		L	×	Password .
BlueLink 08888		>	Network Name	
BlueLink:06691     BlueLink:07412		2	Router Password	Please enter the router par
C Please select	Notice a network configuration method			
S Mil	i configuration			
e	hernet Mode	>		Save

If you select **Ethernet Mode**, enter the following page.

< Bluetooth		<	Ethernet Configuration	
Pairable Devices		DHCP (	Dynamic Configuration)	
BlueLink:08888	>			
BlueLink:06691	>			
BlueLink:07412	>			
4 Notice	}			
Please select a network configu method	iration >			
WiFi configuration	>			
Ethernet Mode	>			_
C Skip	>		Save	
BlueLink:05848	2			

If you select **Skip**, enter the following page. If you need to set up WiFi and Ethernet, refer to section 3 "Networking method".

< Bluetooth	Local Connection
Pairable Devices	mo Buetosh BueLink 08002
Bustine 08888	Device Info
BlueLinic 066/91	> 🔀 Device Maintenance
Blastinc07412	> 🔬 initialization 🔿
4	😤 Battery Settings 🔅
Notice Please select a network configuration	S Protection Parameters
method	🗎 Feature Parameters
WiFi configuration	Power Adjustment
Ethernet Mode	🗷 Working Hodes >
Skip	😧 Testing device

#### 3. Networking method

The Bluetooth connection is entered into the **Device List**. Click Communication Module, click (@ ,click Module Mode Settings, Module working modes included auto, wifi and Ethernet, which can be set as need.





- Click Module Mode Settings, select wifi, click OK and Save Click WiFi Configuration, select the Wi-Fi name, enter password and click Save.
- Note: If choosing Wi-Fi make sure the communication cable is connected to router



b. Setting Wi-Fi (Static IP)

Click Module Mode Settings, select wifi, click OK and Save. Click WiFi Configuration, select IP Configuration, enter the IP Address, Subnet Mas and Getway Address. Then, click Save. Note: If choosing Wi-Fi make sure the communication cable is connected to router.

communicati	on module	<	wiFi configurat	ion	<	wiri configuratio	n
Module Mode Setting	s	>	SSID		DHCP (Dy	namic Configuration)	0
WiFi configuration	0		Password	·	IP Address	8 Please enter	
Communication Syste	em Settings	> Network Nar	ne Wondfo-MAG	~	Subnet Ma	ask Please enter	8
Network Diagnosis		> Router Passv	word Please enter	r the router passw	Gateway A	Iddress Please enter	
Restore Factory Settin	ngs						
Restart Module							
			Save				
			IP Configuratio				
			ii conngarano		_	4	
		2				Save	
Setting E	thernet	t (Dynar	nic IP)				
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Setting E Click Moo Save.	therne dule Mo	t (Dynar de Setti	nic IP) ngs, sel	ect <b>Ethe</b>	rnet,	click <b>OK</b> a	and
Setting E Click Moo Save. Click Eth	therne dule Mo ernet C	t (Dynar de Setti Configura	nic IP) ngs, sel ation ar	ect <b>Ethe</b> nd click <b>S</b>	rnet,	click <b>OK</b> a	and
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Setting Ethernet (Static IP)

Click Module Mode Settings, select Ethernet, click OK and ave.

Click Ethernet Configuration, turn off DHCP button, enter the IP Address, Subnet Mas and Getway Address. Then, click Save. Note: If choose Ethernet, make sure the communication cable is connected to AIO3 Pro module.

Communication Module	Ethernet Configuration	< Eth
Module Mode Settings	DHCP (Dynamic Configuration)	DHCP (Dynamic
WiFi configuration > Communication System Settings >		Subnet Mask P Gateway Addres
Network Diagnosis		
Restart Module >		
	Save	

ter commission of the module, power on the inverter. Wait for 2 nutes, and see if the module LED indicator is blinking slowly(refer Table "LED indicator status description"). If it is, it means the module is working normally. If the station is built, the inverter information can be viewed in APP or website.

ernet Configuration	
Configuration)	0
se enter	
ease enter 🛛 🕄	
s Please enter	

#### 4 Network diagnosis

WIFI

Mask

Gateway

Router SSID

Router BSSID

Router Signal

Ethernet Connect MAC Address

Connect

MAC Address

a. In the Communication Module interface, If WIFI or Ethernet displays down, it means Wi-Fi or ethernet the connection to the server failed. If the WIFI or Ethernet displays up, it means Wi-Fi or ethernet the connection to the server is successful.



84:0D:8E:

CC:B1:82:

84-0D-8E-

255.2

	WIFI	
up	Connect	down
C:FB:58	MAC Address	84:0D:8E:EC:FB:58
.121.207	IP	10.10.121.207
55.252.0	Mask	255.255.252.0
.10.120.1	Gateway	10.10.120.1
SYS_5G	Router SSID	SAJ_SYS_5G
E:28:A3	Router BSSID	CC:B1:82:7E:28:A3
-75dBm	Router Signal	-75dBm
UP	Ethernet	
	Connect	down
C-EB-EB	MAC Address	94-0D-8E-EC-EB-6B

).	Wi-F	i and	etherne	tnetwo	ork dia	agnosis	
	Click	Netw	ork Diag	gnosis.	Click	Start [	Diagnosi

<	Communication Module		<	( N	letwork Diagnosi
22	Module Mode Settings	>			
(0-	WiFi configuration	>		÷	
G	Communication System Settings	>			AK
ф	Network Diagnosis	>		Module	Base Station
G	Restore Factory Settings	>		[	Diagnosis complete
0	Restart Module	$\rightarrow$			

Server

5. Inverter setting

Country and Grid Compliance can be viewed from initialization setting. After commissioning, the device Info including device Basic Info, Running Info, Power Generation, and **Event Info** can be viewed.

C Device List		Loc	al Connection	(
Communication Module Network St	atus 📶	Bluetooth:BlueLin SN:H254425522	nc00002	
	>	Device Info		
Device (1)		🎊 Device Maintena	nce	
Hackingsonautenous		A Initialization	0	
Rover Autoress 1	0	Battery Settings		
		S Protection Paran	neters	
		Feature Paramet	ers	
		Power Adjustme	nt	
上午10:33 🕲	🗉 Sant 🐵	上午10:36	0	0 iini 🐵
Initialization	Save	< Dev	vice Info	¢
Country		Bluetooth:BlueLink:080     SN:H25	02 Runnir	ng Status 🤊
America 3	-	Basic Info		
Grid Compliance		4	ning into EV	ent Info
	U	Device Model	ning into Ex BlueLir	rent Info 1k:08002
1EEC1547-240		Device Model Module SN	BlueLir	rent Info 1k:08002 5008002
Inverter Time		Device Model  Module SN  Module Firmware Version	BlueLir NA460A223	rent Info nk:08002 5008002 V0.8.17.4
Inverter Time           2023-08-01 10:33	SYNC	Device Model  Module SN  Module Firmware Version Display Board Version	NA460A223	vent Info nk:08002 5008002 V0.8.17.4 V1.004
Inverter SN	SYNC	Device Model Device Model Module SN Module Firmware Version Display Board Version Control Board Version	ning inro Ex BlueLin NA460A223	vent Info hk:08002 6008002 V0.8.17.4 V1.004