Quick Installation Guide of eSolar AIO3 Module

1. Product Appearance



LED Indicator Status Description

	LED ind	icator status description
	Slow blink	Ethernet is working
Green	Green Fast Firmware is upgrad	Firmware is upgrading
(Ethernet)	Solid	Module is not connected to server
	Off	No power supply or program fault
Blue	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)

Table 1 LED indicator on the module description

Green	Blinking	Sending data to router
	Solid	Module is connected to router
	Off	Module is not connected to router

Table 2 LED indicator on RJ45 connector description

OLED Operation

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

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



Screen will return to home interface if no further operation for 40 seconds. OLED monitor will turn off if no further operation for 50 seconds.

2. Installation & Connection

Step 1. Turn the module hexagon nut position to a horizontal position.



Step 2. Insert the module into the inverter USB interface and fasten the hexagon nut in clockwise direction.

Step 3. Connect RJ45 connector to router.

3. Installer Configuration

3.1 Download eSolar O&M APP

For iOS system, search "eSolar O&M" in App Store to download. For Android system, search "eSolar O&M" in Google Play to download.

3.2 AIO3 module connection

After installation of the module, power on the inverter. Wait for 2 minutes, if the module signal light is blinking slowly (refer to Table 1), it indicates that the module is working normally. If the station is built, the inverter information can be viewed in APP or website.

Bluetooth connection

2 Turn on mobile phone Bluetooth connection.

(2) Sign in eSolar O&M APP \rightarrow Select "My" \rightarrow Select "Remote Configuration" \rightarrow Select "Bluetooth" \rightarrow "Next" \rightarrow Search devices \rightarrow Select the Bluetooth(such as Bluelink:00012).



Fig 3.1 Bluetooth connection

③ Choose the Wi-Fi or Ethernet 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 local connection interface automatically. (Note: If choosing Ethernet, make sure the cable is connected to router)



Fig 3.2 Process of connecting module and router

(4) Entering the main interface and click on the module to check the details of module. Click on the gear icon on the top right corner of screen to set the module parameters.

Devices list	Communication module 6
cation module Internet Status	
M5380G2022000012 >	Module SN M5380G2022000010
1)	Module model eSolarAI03
H152382602030E9999 >	Product code 0301001400000100 Firmware version v0.001.6 Hardware version 1.001 Working Modes wiff
	link u
	link u mac addr 84:0D:8E:EC:FB:A
	link uj mac addr 84:0D:8E:EC:FB:A IP 192:168:50.9
	link u mac addr 84.0D:BE.EC:FB.A IP 192.168.50.9 mask 255.255.255.0
	link up mac addr 84:00:BEEC:FB.A IP 192:168:50 mask 255:255:255 gateway 192:168:50

Fig 3.3 Checking module details

(5) Module working mode are included auto, WiFi and Ethernet mode which can be set as per user requirement.

		< Module mode s	
Module mode setting	>	Module mode setting	
Wi-Fi configuration	>	wifi	
Communication setting	×		
Network diagnosis	>		
Factory setting	>	wifi	
D Restart module	>	eth	
		auto	

Fig 3.4 Checking module details

3.3 Inverter Setting

(1) Entering the main interface and click on the device to enter inverter setting.



Fig 3.5 Inverter setting list

(2) Click on the Device info to check the basic info, running info, power info and event info of inverter.

<	Devic	e info	ŵ	<		Devic	e info	Ø
Bluetoo	oth connectio	on:BlueLink: 2900 Runn	66666 ing status 😵	8	Bluetooth c SN:R5T215 D1	onnectio 3G19050	on:BlueLin C900 Rur	k:66666 ining status 🔇
Basic info	Running info	Power Info	Event info	Basi	c info	inning info	Power Info	Event info
Model			BlueLink	4	DCI	nput o	AC or	nput -
Module S	N	M5380G20	33066666	1		Invo	rter	A KA
Module firmware version			V1.000	PV i	nformatio	n	Stri	ng current
Commun board firn version	ication nware		V1.011	PV1 PV2 PV3	404.9 401.7 N/A	V 0.0A V 0.0A N/A	N/A 0.01/ N/A	N/A-N/A-N/A N/A-N/A-N/A N/A-N/A-N/A
Main boa firmware version	rd		V3.110	Grid	power int	formati	on	nca nca:N/A
Slave boa firmware version	ırd		V3.110	AC1 AC2	0.0	IV IV	0.0A 0.0A	0.0Hz 0.0Hz

Fig 3.6 Inverter info

(3) Click on the initial setting to choose local grid compliance and time as per the local regulations.

Country	
Italy	v
Grid code	
CEI0_21:2019	v
Inverter time	
1970-01-01 00:02	AUTO TIMING

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