eSolar WiFi-D

Quick Installation Guide of eSolar WiFi-D Module

1. Product appearance



LED indicator status description

Green	Flicker	1 time/s	Work normally	
		2 times/s	Unmatched with router	
	Always -on	Normal communication with inverter when power-on		
Red	Flicker	In communication with APP		

2. Installation and connection

(1) Turn the screw nut button position to a horizontal position.



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



3. OLED operation

(1) 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

② Menu shows and the interface will return to the main interface after remaining for 40s without any key operations, while it will enter black screen state after remaining for 50s without any key operations.

²⁰¹⁹ 05/20 18:28 Wi Fi 2019 ²⁰¹⁹ 05/20 18:28 Wi Fi Click Power: 0.00KWh E-Day: 0.00KWh refer router manual accordingly. Mode: Fault E-Tol: 0.00KWh double click double click Long press ---Main menu---Grid Compliance Long press Long press Are you sure to Long press Setting >Grid Compliance Australia WPS Config set it ? done AS 4777 Error ---Main menu---Waiting for Long press Are you sure to Long press **Grid Compliance** Long press WPS Config >WPS Config config ? router matching done Error Click ²⁰¹⁹ 05/20 18:30 Wi Fi ---Main menu---2019 18:30 WIFI 05/20 Long press Clie **Grid Compliance** ERR:1/2 > ERR:2/2 > WPS Config L1 No Grid Err L1 No Grid Err S >Error Temp. Low Err М Click ---Main menu---Are you sure to Delay 4 s Long press Long ress Reset WPS Config reset Wi-Fi AP Error done password? >Password Reset Reboot Click • ---Main menu---Long press Long press Are you sure to Reset Error Password Reset reset? done Delay 4 s >Factory Reset

③ WPS Config function helps you to speedy connect eSolar WiFi-D module to local router, which has WPS function, without setting network name and password.

Steps:

- 1) Go to Main Menu and Enter WPS Config option;
- 2) "Are you sure to config?" message is shown on display, long press key to confirm. Then "Waiting for router matching" message is shown;
- 3) Press the WPS key on router to activate matching;
- 4) Wait few seconds for two devices matching;
- 5) After matching, "WPS Config done" message is shown. And there us a Wi-Fi icon shown in the top right corner at main interface;
- * WPS Config may need several attempts depending on the actual situation.

** The WPS function may at different place on different router, please

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4. App configuration

① Download eSolar O&M APP or eSolar Air APP Web to eSolar website https://fop.saj-electric.com to scan the QR code and download APP (or download it from Google Play or App Store by searching eSolar O&M and eSolar Air). After the installation on your phone, please login it with your installer account.

② Log in APP→ Click "My" → Click "Remote control" → Click "WiFi" → Click "Next step".

③ Select item "Go to WLAN setting interface for setting" \rightarrow switch to the mobile phone WLAN setting interface \rightarrow Select module WiFi (E.g.: DTU:XXXXX) and then switch back to APP \rightarrow select item "Next



④ Configure the router : select a valid router from the router list (E.g.: SAJ) as shown in Figure 4-3 → Fill in "password" of the router → turn on "DHCP" (default: open) → "save" the settings as shown in Figure 4-4 → "Connected" successfully.



Figure 4-3

Figure 4-4

(5) After connecting the WiFi module to the Internet, data of the inverter will be uploaded to the server. Users can log into eSolar website or APP monitor to monitor inverters remotely.

5. Web Page Configuration

The connection has been successfully configured through the APP in the previous step. There is no need to configure through the Web.To configure using the Web for the first time, follow the instructions below.

① Connect WiFi hot spot (For example:DTU:XXXXX)



Figure 5-1

O Web to http://10.10.176.1 (Account: admin, Password: admin) to set over webpage.

Note: Language can be set by clicking "LANGUAGE" in the top right corner.

Wi-Fi Web Server v1.0				
				2018-07-23 10:40:46
DEVICE STATUS	Statistics			i
DEVICE INFO	Total generated	0.00kWh	Today generated	0.00kWh
	Total Running Time	0.0h	Today Running Time	0.0h
Wi-Fi STATUS				
NETWORK DIAG	DC Input			
	PV1 Voltage	0.0V	PV1 StrCurr4	0.00A
EVENT LOG	PV1 Current	40.96A	PV2 StrCurr1	0.00A
ADMIN	PV2 Voltage	409.6V	PV2 StrCurr2	0.00A
	PV2 Current	0.01A	PV2 StrCurr3	0.00A
UPGRADE	PV3 Voltage	0.0V	PV2 StrCurr4	0.00A
WIZARD	PV3 Current	0.00A	PV3 StrCurr1	0.00A .

Figure 5-2

③ After login to the WiFi web server page, Click "WIZARD" \rightarrow Click "1. Scan" \rightarrow select one valid Wifi (E.g. Wifi: SAJ_office) \rightarrow Enter the password for the Wifi (I.e wifi_password) and click "3.Next" \rightarrow Choose "DHCP" and click "Join" \rightarrow Connected. After being connected, the WiFi module will reconfigure the wireless network.

Wi-Fi Web S	Ser	ver v1.0				LANGUAGE
	_				2	018-07-23 10:41:18
DEVICE STATUS	Step	-by-Step Please.				
DEVICE INFO	Pick a Wi-Fi.If your Wi-Fi is not in the list, please try again.					
Wi-Fi STATUS					Coun	try: China 🔻
				1.Sca	n	
NETWORK DIAG			_			
EVENT LOG	СН	BSSID	Security	RSSI	SSID	Choose
	1	12.fa.84.5f.87.d8	WPA2 Mixed	-71	SAT Guest	2. Pick this
ADMIN	-	11110104151107100	In AL HANG		SAS_GUESC	
	1	50:fa:84:62:87:7e	WPA2 Mixed	-77	SAJ_Office	2.Pick this
UPGRADE				-		
	1	50:fa:84:5f:87:d8	WPA2 Mixed	-72	SAJ_Office	2.Pick this
WIZARD						



Wi-Fi Web S	Server v1.0			LANGUAGE
				2018-07-23 10:45:15
DEVICE STATUS	Step-by-Step Please.			
DEVICE INFO	Provide Wi-Fi Password			
Wi-Fi STATUS				
	SSID	SAJ_Office		
NETWORK DIAG	BSSID	50:fa:84:5f:87:d8		
EVENT LOG	Security	WPA2 Mixed		
ADMIN	Кеу	wifi_password		
UPGRADE		Back	3.Next	
WIZARD				
		Figure 5-4		

Wi-Fi Web Server v1.0				
				2018-07-23 10:45:34
DEVICE STATUS	Step-by-Step Please.			
DEVICE INFO	IP Address Settings			
Wi-Fi STATUS		OHCP	<pre>@Manual</pre>	
NETWORK DIAG		Back	4.Join	
EVENT LOG				
ADMIN				
UPGRADE				
WIZARD				



The data of inverter will be uploaded to the server after WiFi is connected with network. Users can monitor the inverter remotely through eSolar website or APP.