

QUICK INSTALLATION GUIDE

Lithium Series

Dual 48V 5.1kWh

+

Goodwe Inverter



+



1. Inverter Goodwe Configuration

First, the inverter must be configured properly. To do this, a correct Wi-Fi connection must be made between an electronic device and the inverter, as well as a properly configuration through the PV Master application.

1.1. WIFI CONNECTION

To make a correct Wi-Fi connection, follow these steps:

Paso 1

1. Conecte "Solar-Wi-Fi*" a su PC o teléfono inteligente (en el nombre de WiFi, * son los últimos 8 caracteres del número de serie del inversor).
2. Abra un navegador e inicie sesión en 10.10.100.253.
Usuario: admin, contraseña: admin.
3. Haga clic en "Aceptar".

Paso 2

1. Haga clic en "Iniciar configuración" para seleccionar su enrutador.
2. Haga clic en "Siguiente".

Device information

Firmware version	1.6.9.3.38.2.1.38
MAC address	60:C5:A8:60:33:E1
Wireless AP mode Enable	
SSID	Solar-WiFi
IP address	10.10.100.253
Wireless STA mode Disable	
Router SSID	WiFi_Bum-in
Encryption method	WAP/WAP2-PSK
Encryption algorithm	AES
Router Password	WiFi_Bum-in

Failure to join the network may be caused by:
No router / weak Wi-Fi signal / incorrect password

★ **Help:** The Wizard will help you to complete settings within one minute.

Please select your current wireless network

SSID	AUTH/ENCRY	RSSI	Channel
<input type="radio"/> WiFi_Bum-in	WPAPSKWPA2PSK/TKIPAES	66	1
<input type="radio"/> WiFi_Bum-in	WPAPSKWPA2PSK/TKIPAES	100	1
<input type="radio"/> WiFi_Bum-in	WPAPSKWPA2PSK/TKIPAES	70	1
<input type="radio"/> WiFi_Bum-in2	WPAPSKWPA2PSK/TKIPAES	72	1

★ **Help:** When the received signal strength indicator (RSSI) for the selected Wi-Fi network is lower than 15%, the connection may be unstable. Please select another available network or reduce the distance between the device and router. If your wireless router does not broadcast SSID, please click "Next" and add a wireless network manually.

Paso 3

1. Introduzca la contraseña del enrutador y haga clic en "Siguiente".
2. Haga clic en "Completar".

Add wireless network manually

Network name (SSID)	WiFi-Test
Encryption method	WPA/WPA2-PSK
Encryption algorithm	AES

Please enter the wireless network password:

Password (8-63 bytes)

Note: SSID and password are case sensitive. Please make sure all wireless network parameters match those of the router, including the password.

Nota:
Si el módulo WiFi no consigue conectarse a la red después de haber introducido la contraseña correcta, es posible que la contraseña del punto de acceso contenga caracteres especiales no permitidos por el módulo.

Save success!

Click "Complete", and the current configuration will take effect after restart.

If you still need to configure details on the other pages, please proceed to complete those as required.

Configuration is now complete. You can log on to the Management page to restart device by clicking on the "OK" button.

Confirm to complete?

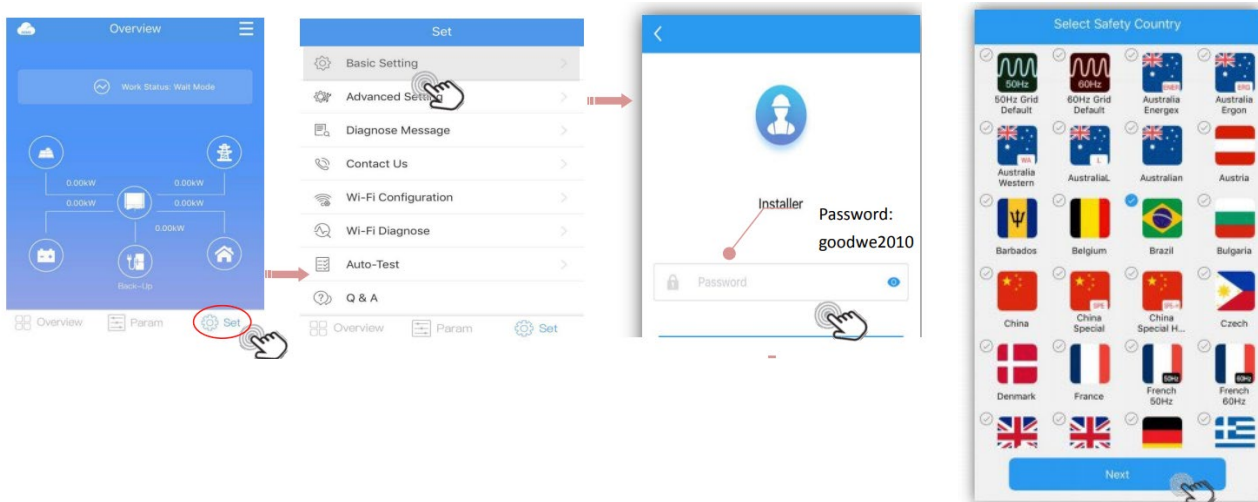
Note: This connection can also be made from the PV Master application.

1.2. MASTER PV CONFIGURATION

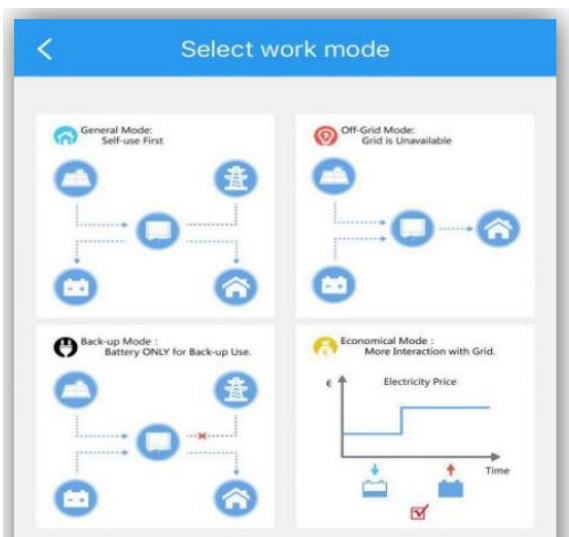
PV Master is an external monitoring/configuration app for hybrid inverters. It can be downloaded directly from the Play Store or App Store and works with both Android and iOS systems.

Once it has been connected to the inverter's Wi-Fi network, the app must be configured according to the batteries to be connected.

First you need to select the country in which the device is located. To do this, you must enter the basic configuration tab and select the option shown in the following images:










Next, you must select the work mode to be used. You must choose one of the four options:



- 1- General Mode
- 2- Off-Grid Mode
- 3- Back-Up Mode
- 4- Economical Mode

To finish, the type of battery to be used must be selected. To do this, you must select the following option regardless of whether you are going to work with 1 or more batteries.

Seleccionar modelo de batería

 LG	▼
 PYLON	▼
 AlphaESS	▼
 Hoppecke	▼
 LD POWER WORK S2	▼
 DEFAULT	▲
Default	<input type="checkbox"/>
Default(Lithium 50Ah)	<input type="checkbox"/>
Default(Lithium 100Ah)	<input checked="" type="checkbox"/>
 SELF-DEFINE	▼

Si no se encuentra un modelo de batería disponible, abra la red móvil y reinicie la aplicación para adquirir

[Anterior](#) [próximo](#)

2. Battery On and Off

To turn on the battery, press the power button for a few seconds. The BMS will start working and the LED will light up.

To turn off the batteries, press the power button for more than 5 seconds.

3. Setting Lithium Series Dual 48V 5.1 kWh

Each module has 5 DIP switches (SW1, SW2, SW3, SW4, and SW5) that will be set differently based on system requirements, battery connection, and inverter.



SW1 is for the communication protocol with the inverter. If the CAN protocol is used, 1 and 2 must be ON.
















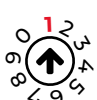




SW4 and SW5 are for communication with the inverter and depend on the communication cable and protocol of the inverter.

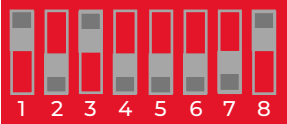





















If a pin-to-pin cable is used, the DIP settings are as follows:

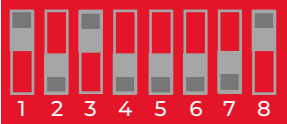













Protocol	SW1	SW4	SW5
CAN	<p>1=ON 0=OFF</p>		

















3.1. DIPS FOR CONNECTING ON SERIES

SW2 and SW3 are for communication between batteries.

Connected Battery Number	Group	SW2 Series connect	SW3 Address Set
1	-		
2	Primary		
	Sub		
3	Primary		
	Sub1		
	Sub2		
4	Primary		
	Sub1		
	Sub2		
	Sub3		

Connected Battery Number	Group	SW2 Series connect	SW3 Address Set
5	Primary		
	Sub1		
	Sub2		
	Sub3		
	Sub4		
6	Primary		
	Sub1		
	Sub2		
	Sub3		
	Sub4		
	Sub5		

Connected Battery Number	Group	SW2 Series connect	SW3 Address Set
7	Primary		
	Sub1		
	Sub2		
	Sub3		
	Sub4		
	Sub5		
	Sub6		

Connected Battery Number	Group	SW2 Series connect	SW3 Address Set
8	Primary		
	Sub1		
	Sub2		
	Sub3		
	Sub4		
	Sub5		
	Sub6		
	Sub7		

























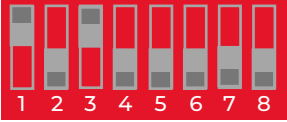













Make sure DIP switch SW2 is selected correctly. If the battery is connected in parallel mode, but DIP8 is in the ON position, a serious and dangerous fault may occur. On the other hand, **if the battery is connected in serial mode, but SW2 DIP8 is in the OFF position, a serious and dangerous fault may occur.**

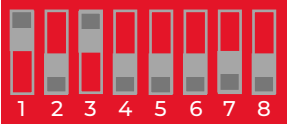















3.2. DIPS FOR CONNECTION ON PARALLEL

SW2 and SW3 are for communication between batteries.

Connected Battery Number	Group	SW2 Parallel connect	SW3 Address Set
1	-		
2	Primary		
	Sub		
3	Primary		
	Sub1		
4	Sub2		
	Primary		
	Sub1		
	Sub2		
	Sub3		

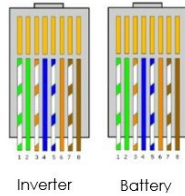
Connected Battery Number	Group	SW2 Parallel connect	SW3 Address Set
5	Primary		
	Sub1		
	Sub2		
	Sub3		
	Sub4		
6	Primary		
	Sub1		
	Sub2		
	Sub3		
	Sub4		
	Sub5		

Connected Battery Number	Group	SW2 Parallel connect	SW3 Address Set
7	Primary		
	Sub1		
	Sub2		
	Sub3		
	Sub4		
	Sub5		
	Sub6		

Connected Battery Number	Group	SW2 Parallel connect	SW3 Address Set
8	Primary		
	Sub1		
	Sub2		
	Sub3		
	Sub4		
	Sub5		
	Sub6		
	Sub7		

Make sure DIP switch SW2 is selected correctly. **If the battery is connected in parallel mode, but DIP8 is in the ON position, a serious and dangerous fault may occur.** On the other hand, if the battery is connected in serial mode, but SW2 DIP8 is in the OFF position, a serious and dangerous fault may occur.

4. WIRING Configuration



The cable needed to make the connection is the RJ45. This is a cable made up of 8 smaller cables each with a different color configuration.

A standard pin-to-pin cable with an RJ45 connector should be used.

For the connection between the inverter and the battery, the RJ45 cable will be connected to the "Inverter" port of the battery.

