

# QUICK INSTALLATION GUIDE

**BATTERY LITHIUM SERIES 48V 5.1 kWh**

**+**

**INVERTER GOODWE**



**+**



## 1. INVERTER GOODWE configuration

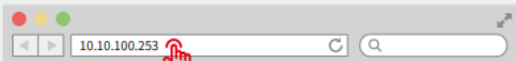
First, the inverter must be configured properly. For this, a correct Wi-Fi connection must be made between an electronic device and the inverter, as well as a correct configuration through the PV Master application.

### 1.1. Wifi connection

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

#### Connect to "Solar-WiFi"

1. Connect smart device to Wi-Fi "Solar-WiFi" or "Solar-WiFi\*" with password 12345678(\*refers to the last eight digits of inverter's SN)
2. Visit the website <http://10.10.100.253>



Tip: Please refresh the page if there appears "Unauthorized Login".

B-3: Enter User name: admin, Password:admin, click OK

Admin(U):

Password:

Remember the password (R)

#### Preparation

Click "Start Setup"

**Please select your current wireless network**

Firmware version 1.6.9.3.38-2.1.38

MAC address 60:C5:A8:60:33:E1

Wireless AP mode **Enable**

SSID Solar-Wi-Fi

IP address 10.10.100.253

Wireless STA mode Disable

Router SSID WiFi\_Burn-in

Encryption algorithm WPA/WPA2-PSK

Router Password AES

Router Password WiFi\_Burn-in

**A "cannot join the network error" may be caused by:**  
The router does not exist, the signal is too weak, or the password is incorrect.

★ Help: The Wizard will help you to complete the setup within one minute.

Tip:  
Specification of Wi-Fi module is available on Device Information at previous page.

Select available Wi-Fi and click "Next"

**Please select your current wireless network**

SSID	AUTH/ENCRY	RSSI	Channel
<input type="radio"/> Wi-Fi_Burn-in	WPAPSKWPA2PSK/TKIPAES	66	1
<input type="radio"/> Wi-Fi_Burn-in	WPAPSKWPA2PSK/TKIPAES	100	1
<input type="radio"/> Wi-Fi_Burn-in2	WPAPSKWPA2PSK/TKIPAES	70	1
<input type="radio"/> Wi-Fi_Burn-in2	WPAPSKWPA2PSK/TKIPAES	72	1
<input type="radio"/> Wi-Fi_Burn-in2	WPAPSKWPA2PSK/TKIPAES	100	1
<input type="radio"/> Wi-Fi_Burn-in2	WPAPSKWPA2PSK/TKIPAES	70	1
<input type="radio"/> Wi-Fi_Burn-in3	WPAPSKWPA2PSK/TKIPAES	76	1
<input type="radio"/> Wi-Fi_Burn-in3	WPAPSKWPA2PSK/TKIPAES	76	1

★ Help: When the RSSI of the selected Wi-Fi network is below 15%, the connection may be unstable. Please select another available network or shorten the distance between the device and the router. If your wireless router does not broadcast its SSID, please click "Next" and add a wireless network manually.

#### Connect to "Solar-Wi-Fi"

Enter the router password and click "Next".

**Manually add a wireless network:**

Network name (SSID)

Encryption method

Encryption algorithm

**Please enter the wireless network password:**

Password (8-63 characters)

Remember the password (R)

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

Tip:  
Please make sure there is no unacceptable character in the password otherwise, it may cause unsuccessful Wi-Fi configuration.

Click "Complete" to confirm

**Save success!**

Click "Complete". The current configuration will take effect after restart.

If you still need to configure the other pages of information, please proceed to complete your required configuration.

The configuration is complete. You can login to the Management page to restart the device by clicking on the "OK" button.

Confirm or complete?

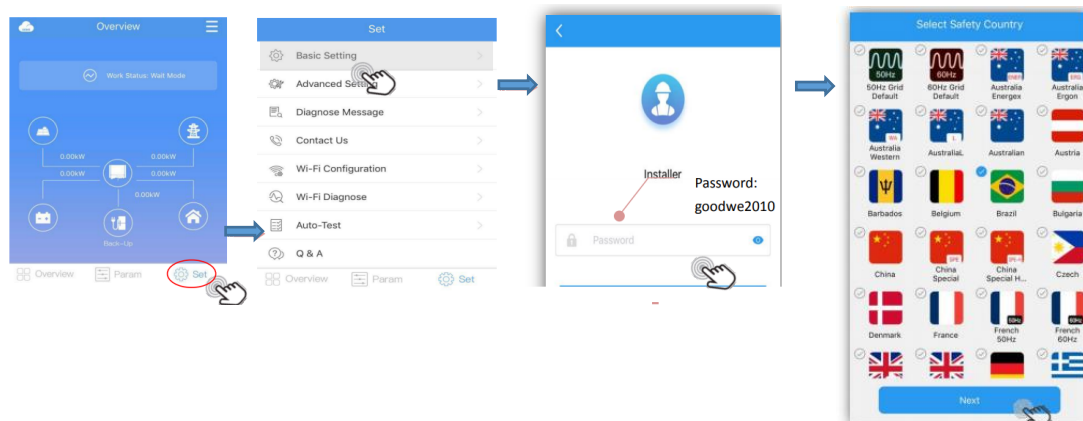
Nota: Esta conexión también se puede hacer desde la aplicación PV Master.

## 1.2. PV Master configuration

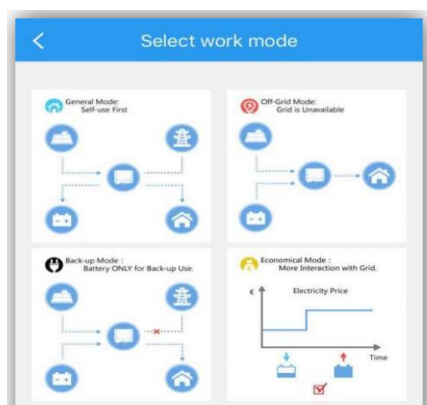
PV Master is an external monitoring / configuration application for hybrid inverters. It can be downloaded directly from the Play Store or App Store and works with both Android and iOS systems.

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

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

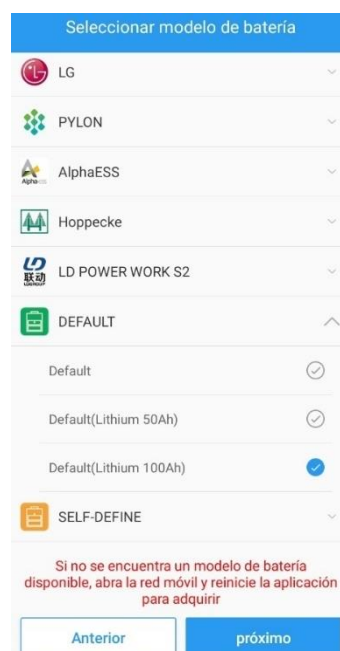


Next, you have to select the working mode to be used. You must choose one of the four options that appear:



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

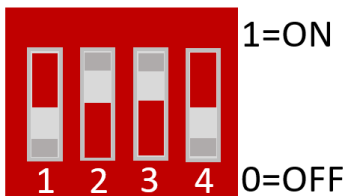
Finally, the type of battery to be used must be selected. For this, the following option must be selected regardless of whether it is going to work with 1 or more batteries.



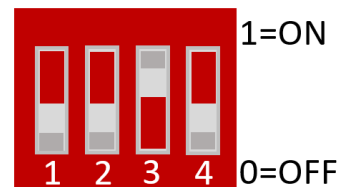
## 2. BATTERY LITHIUM SERIES 48V 5.1 kWh configuration

The configuration of the DIPs must be the following:

Master battery:



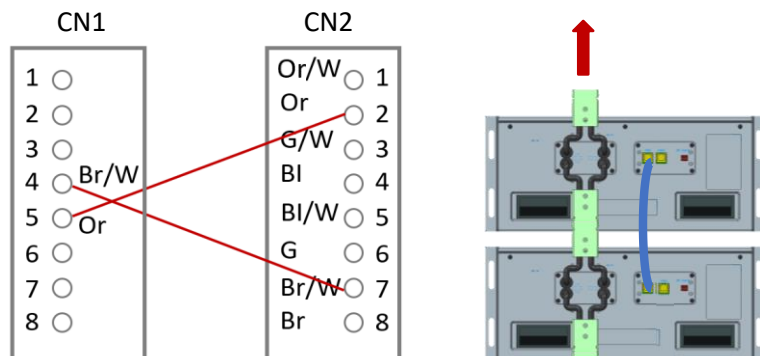
Rest of batteries:



## 3. WIRING configuration



The cable necessary to make the connection is the **RJ45**. It is a special cable that is made up of 8 smaller cables each with a different color configuration.



	CN1 (INVERTER)			CN2 (BATTERY)		
	Terminal	Color	Wiring	Terminal	Color	Wiring
GOODWE	1	Orange/White		1	Orange/White	Orange
	2	Orange		2	Orange	Orange
	3	Green/White		3	Green/White	Green
	4	Brown/White	Brown	4	Blue	Blue
	5	Orange	Orange	5	Blue/White	Blue
	6			6	Green	Green
	7			7	Brown/White	Brown
	8			8	Brown	Brown