







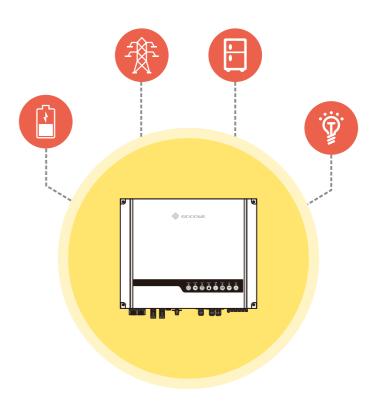
PV Master APP SEMS Portal APP

LinkedIn

offical website

Company's





ES QUICK INSTALLATION INSTRUCTIONS

PART 1

QUICK INSTALLATION

PART 2

BATTERY CONNECTION

PART 3

Wi-Fi CONFIGURATION



340-00003-03

Step2SOP of battery connection

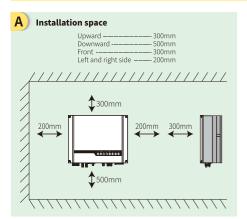
Step3 Wi-Fi configuration instruction

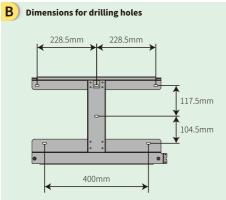
Step1Instructions for quick installation

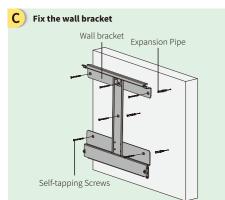
Step2SOP of battery connection

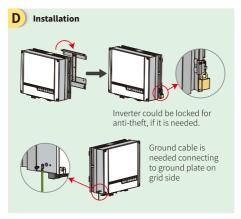
Step3 Wi-Fi configuration instruction

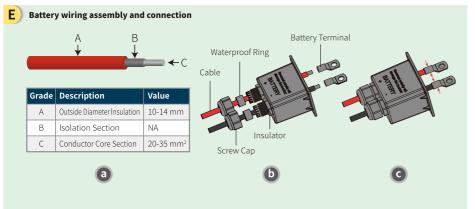
Step 1. Instrucitons for quick installation

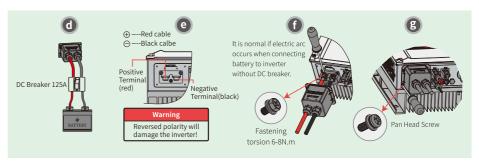


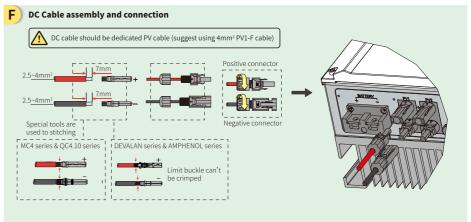


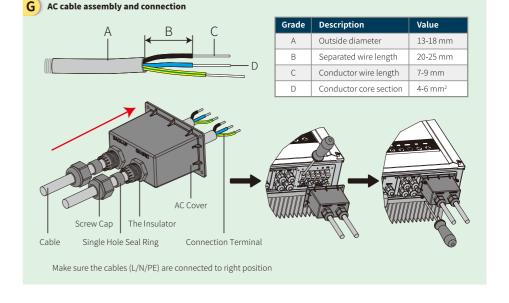












Step1Instructions for quick installation

Screw

Nut

RS485

Communication Board

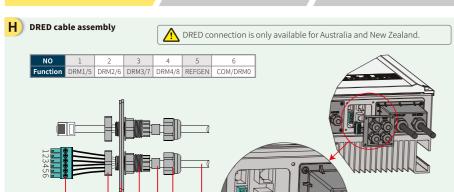
Step2 SOP of battery connection

Step3Wi-Fi configuration instruction

Step1Instructions for quick installation

Step2SOP of battery connection

Step3Wi-Fi configuration instruction



1. Plug out the 6-pin terminal and dismantle the resistor on it.

Single Hole

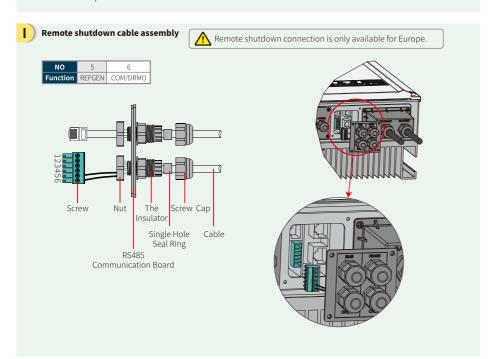
Seal Ring

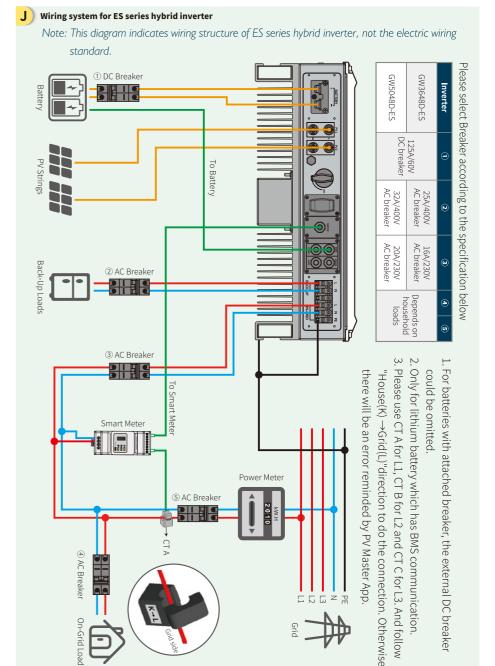
Screw Cap

Cable

2. Plug the resistor out, leave the 6-pin terminal for next step.

Note: The 6-pin terminal in the inverter has the same function of DRED device. Please leave it in the inverter if no external device connected.

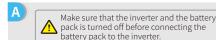




Note: This manual only tells connection methods between battery and GoodWe inverters. Other operations on battery, please refer to battery user manual. This manual only includes some battery models, not all of them. Battery models are subject to change without prior notice.

1. BYD

For BYD B-BOX series with hybrid inverter.



Note: ADDR setting of battery is required if there are more than one battery banks connected to the inverter. Please refer to battery user manual for detailed instruction.



- 1. Cut off the plastic skin of the cable.
- 2. Put the cable through the terminal cover plate.
- 3. Plug the metal part into the battery R-type terminal (25-8) which in the accessories box, the crimp the terminal tightly.
- Connect the power cable to the terminal block of the hybrid inverter and restore the inverter terminal cover plate.



The other side of "To Battery" cable should be connected to CAN port of BYD BMU box.



B To connect the cables coming from the inverter to the BYD battery pack, take the following steps.
Connect the power cables to the terminal block of BYD battery pack.
Connect the negative cable to "P-" and the positive cable to "P+".

D To communication cable for battery is attached on the inverter.
Please use this cable as battery communication





F On PV Master, should choose the right battery type used in your system by "Battery Model" selection or battery communication wil

	∞	BYD	^
n		BYD B-Box Pro 2.5	0
y		BYD B-Box Pro 5.0	\oslash
ll		BYD B-Box Pro 7.5	0

G After all connection and setting done, please check if battery communication is OK on PV Master→Param→ BMS Status, which should be "Normal".

Date - (DVD D D D - D- D -	
Battery (BYD B-Box Pro 2.5) Battery Status Battery Data	SOC: 79%, Discharge 479,9V / 0,0A / 0,08kW
BMS Status	Normal
SOH (From BMS)	100.0%
Charge Current Limit (From BMS)	50.0A
Discharge Current Limit (From BMS) 50.0A
Waring (From BMS)	Normal
Temperature (From BMS)	24.0°C
	,

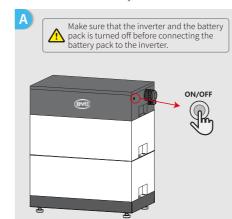
Step1 Instructions for quick installation

SOP of battery connection

Step3 Wi-Fi configuration instruction

2. BYD

For BYD LV series with hybrid inverter.

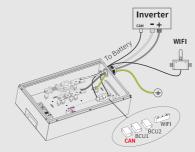


To connect the cables coming from the inverter to the BYD battery pack, take the following steps.
Connect the power cables to the terminal block of BYD battery pack.
Connect the negative cable to "-" and the positive cable to "+".

- 1. Cut
 - 1. Cut off the plastic skin of the cable.
- 2. Put the cable through the terminal cover plate.
- Plug the metal part into the battery R-type terminal (25-8) which in the accessories box, the crimp the terminal tightly.
- Connect the power cable to the terminal block of the hybrid inverter and restore the inverter terminal cover plate.



The other side of "To Battery" cable should be connected to CAN port of BYD BCU.



To communication cable for battery is attached on the inverter.

Please use this cable as battery communication cable.



F On PV Master, should choose the right battery type used in your system by "Battery Model" selection or battery communication will fail



After all connection and setting done, please check if battery communication is OK on PV Master→Param→ BMS Status, which should be "Normal".



3. GCL

For GCL E-KwBe series with hybrid inverter.

Make sure that the inverter and the battery



To connect the cables coming from the inverter to the GCL battery pack, take the following steps. Connect the power cables to the terminal block of GCL battery pack.

Connect the negative cable to "-" and the positive cable to "+".



1. Cut off the plastic skin of the cable.

2. Put the cable through the terminal cover plate.

- 3. Plug the metal part into the battery R-type terminal (25-8) which in the accessories box, the crimp the terminal tightly.
- 4. Connect the power cable to the terminal block of the hybrid inverter and restore the inverter terminal cover plate.



The other side of "To Battery" cable should be connected to CAN port of BYD BMU box.



To communication cable for battery is attached on the inverter.

Please use this cable as battery communication cable.





On PV Master, should choose the right battery type used in your system by "Battery Model" selection or battery communication will

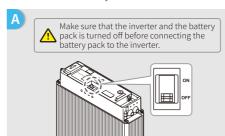
<		
0	GCL	^
	GCL 5.6kWH	0
	GCL 5.6kWH*2	\oslash
	GCL 5.6kWH ³	0

After all connection and setting done, please check if battery communication is OK on PV Master→Param→ BMS Status, which should be "Normal"

Battery Data 51.1V / 0.	, Discharge
Battery Data 51.1V / 0. BMS Status	DA ZO DOMAN
BMS Status	
	Normal
SOH (From BMS)	100.0%
Charge Current Limit (From BMS)	50.0A
Discharge Current Limit (From BMS)	50.04
Waring (From BMS)	Normal
Temperature (From BMS)	25.0°C

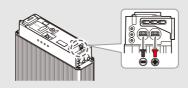
4. LG

For LG RESU series hybrid inverter.



Connect the power cables to the terminal block through the grommet.

- 1. Remove the terminal cover plate, which is placed over the terminal block.
- 2. Plug the metal part into the battery R-type terminal (25-8) which in Cable Accessories for LG battery, then crimp the terminal tightly.
- 3. Restore the battery termianl cover plate.

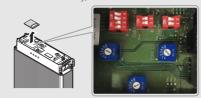


The communication cable for battery is attached on

Please use this cable as battery communication

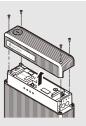


There are three DIP switches and three rotary switches on battery, which should be set as below.



Note: RESU6.4EX has no DIP switches, you can ignore this part.

Remove the top cover. Hold both sides of the top cover and pull it upwards.



1. Cut off the plastic skin of the cable.

- 2. Put the cable through the terminal cover plate.
- 3. Plug the metal part into the battery R-type terminal (25-8) which in the accessories box, the crimp the terminal tightly.
- 4. Connect the power cable to the terminal block of the hybrid inverter and restore the inverter terminal cover plate.



The other side of "To Battery" cable should be connected to CAN port on the top side of LG battery.



On PV Master, should choose the right battery type used in your system by "Battery Model" sélection or battery communication will



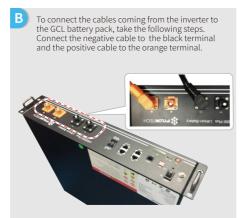
After all connection and setting done, please check if battery communication is OK on PV Master→Param→ BMS Status, which should be "Normal".



5. Pylon

For Pylon US2000&US3000 series hybrid inverter.





- 1. Cut off the plastic skin of the cable.
 - 2. Put the cable through the terminal cover plate.
 - 3. Plug the metal part into the battery R-type terminal (25-8) which in GoodWe accessories box, then crimp the terminal tightly.
 - 4. Connect the power cable to the terminal block of the hybrid inverter and restore the inverter terminal cover plate.



The other side of "To Battery" cable should be connected CAN port of Pylon battery.



The communication cable for battery is attached on the inverter. Please use this cable as battery communication cable.





On PV Master, should choose the right battery type used in your system by Battery type used in your system by "Battery Model selection" or battery communication will

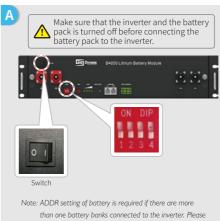


After all connections and settings are done, please check if battery communication is OK on PV Master → $Param \rightarrow BMS$ Status, which should be "Normal"



6. Dyness

For Dyness B4850 series hybrid inverter.



refer to battery user manual for detailed instruction.

- 1. Cut off the plastic skin of the cable.
 - 2. Put the cable through the terminal cover plate. 3. Plug the metal part into the battery R-type terminal
 - (25-8) which in GoodWe accessories box, then crimp the terminal tightly.
 - 4. Connect the power cable to the terminal block of the hybrid inverter and restore the inverter terminal cover plate.



The other side of "To Battery" cable should be connected CAN port of Dyness battery.



To connect the cables coming from the inverter to the Dyness battery pack, take the following steps. Connect the negative cable to the black terminal and the psaitive cable to the Red terminal.



The communication cable for battery is attached on the inverter. Please use this cable as battery communication cable.





On PV Master, should choose the right battery type used in your system by "Battery Model" selection or battery communication will fail.



After all connections and settings are done, please check if battery communication is OK on PV Master → Param → BMS Status, which should be "Normal"



7. Alpha

For Alpha Smile5-Bat series hybrid inverter.



To connect the cables coming from the inverter to the SMILE5 battery pack, take the following steps. Connect the negative cable to the black terminal and the psaitive cable to the Red terminal.

1. Cut off the plastic skin of the cable.

indicator is off.

- 2. Put the cable through the terminal cover plate.
- 3. Plug the metal part into the battery R-type terminal (25-8) which in GoodWe accessories box, then crimp the terminal tightly.
- Connect the power cable to the terminal block of the hybrid inverter and restore the inverter terminal cover plate.



The other side of "To Battery" cable should be connected CAN port of Pylon battery.



D The communication cable for battery is attached on the inverter.

Please use this cable as battery communication cable.





On PV Master, should choose the right battery type used in your system by Battery type used in your system by "Battery Model selection" or battery communication will fail

<		
Apre	Alpah	^
	SMILE5-BAT*1	\oslash
	SMILES-BAT*2	0
	SMILES-BAT*3	0

G After all connections and settings are done, please check if battery communication is OK on PV Master → Param → BMS Status, which should be "Normal"



Step1 Instructions for quick installation

Step2 SOP of battery connection

Step3
i-Fi configuration instruction

Step 3. Wi-Fi configuration instruction

Note: Wi-Fi configuration could also be done on PV Master App. For details, please download "PV Master Operation Introduction" from www.goodwe.com



- 1. Power Wi-Fi inverter (or Power on inverter) on.
- 2. Power router on.



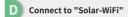


Preparation



The Wi-Fi module refers to "Device information" column left.





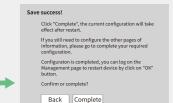
Fill in router password and click "Next".



Please make sure all parameters of wireless network are matched with the router's, including password.

Note:

If the Wi-Fi module fail to connect to network after enter the right password. It's possible that there is special characters not supported by module in the hotspot passwords.



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The "Solar-WiFi" signal will disappear after inverter is connected to WiFi router. Turn off the router or do Wi-Fi reload operation via button on inverter if you need to reconnect to "Solar-WiFi" once again.

E Troubleshooting

"	Troubleshooting						
	No.	Problem	Checking items				
	1	Cannot Find Solar-WiFi Signal	Make sure inverter is powered on; Move your smart device closer to inverter; Restart inverter; Do "WiFi Reload" operation refer to user manual.				
	2	Cannot connect to Solar-WiFi Signal	Try password: 12345678; Restart inverter; Make sure there is no other device connected to Solar-WiFi; Do "WiFi Reload" operation and try again.				
	3	Cannot login website 10.10.100.253	Make sure user name and password you use are both admin; Do "WiFi Reload" operation and try again; Try another browser (suggest use Google, FireFox, IE, Safari etc.); Make sure website you log in is 10.10.100.253				
	4	Cannot find router SSID	Move router closer to inverter or use a Wi-Fi repeater device; Connect to router and login the setting page to check the channel it uses. Please make sure the channel is not bigger than 13. Otherwise, modify it.				
	5	Cannot Find Solar-WiFi Signal	1. Restart inverter. 2. Connect to Solar-WiFi and login again, check the "SSID", "Security Mode", "Encryption Type" and "Pass Phrase" is matching with that of router or not; 3. Connect to router and login to check if the connection reaches the maximum amount or not, and to check the channel of it uses. Please majke sure the channel is not bigger than 13. Otherwise, modify it; 4. Restart router; 5. Move router closer to inverter or use a Wi-Fi repeater device.				
	6	After configuration, WiFi Led on inverter blink four times repeatedly	Connect to the router and visit the portal <u>www.semsportal.com</u> , Check the portal is available or not; Restart router and inverter;				