

## Step 2. SOP of battery connection with ET inverter

Note: This manual only tells connection methods between battery and GoodWe inverters. Other operations on battery, please refer to battery user manual. (This Quick Reference only includes parts of batteries, if there is a subsequent increase in battery, there will be no further notice.)

### 1. BYD

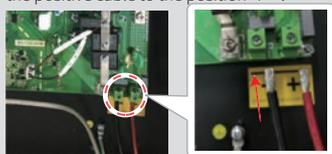
For BYD B-BOX series with hybrid inverter.

Note: In the gridless area, battery does not support off-grid applications. (There will be no further notice if this entry is subject to change)

**A** Make sure that the inverter and the battery pack are turned off before connecting the battery pack to the inverter.



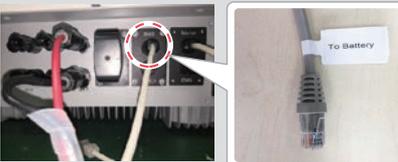
**B** To connect the cables from the inverter to the BYD battery pack, take the following steps. Connect the power cables to the terminal block of BYD battery pack. Connect the negative cable to the position "P-" and the positive cable to the position "P+".



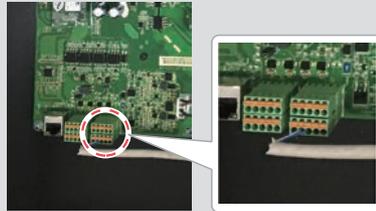
**C** Connect the other end of the power cable to the terminal block of the hybrid inverter.



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



**E** The other side of "To Battery" cable should be connected to CAN port of BYD BMU box. Before this, you should pick out the blue-white line and the blue line. Then, connect the blue-white line to the second hole site, and connect the blue line to the third hole site.



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



**G** After all connection and setting have been done, please check if battery communication is OK on PV Master→Param→BMS Status, which should indicate "Communication OK".



## 2. Pylon

For POWERCUBE-H1 series with hybrid inverter.

**A** Make sure that the inverter and the battery pack are turned off before connecting the battery pack to the inverter.

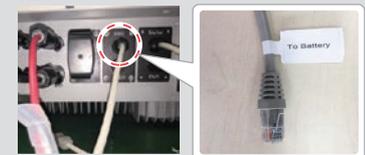
Note: The ADD must be set as shown.



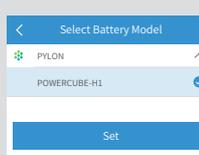
**C** To connect the cables from the inverter to the Pylon battery pack, take the following steps. Connect the power cables to the terminal block of Pylon Battery management unit (BMU). Connect the negative black cable to the position "D-" and the positive orange cable to the position "D+".



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



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

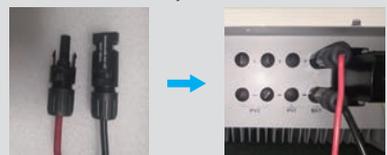


**B** To connect the battery packs in series, follow the instructions below.

- Connections between BMU and Pylon battery packs: To connect the power cable, connect "B+" of BMU to "B+" of the first battery pack, and connect "B-" of BMU to "B-" of the last battery pack. To connect the communication cable, connect "Link Port" of BMU to "Link Port 0" of the first battery pack.
- Connections between adjacent Pylon battery packs: To connect the power cable, connect "B+" with "B-" between adjacent battery packs. The orange end corresponds to "B+", the black end corresponds to "B-". To connect the communication cable, connect "Link Port 1" to the next battery pack's "Link Port 0" in turn.



**D** Connect the other end of the power cable to the terminal block of the hybrid inverter.



**F** The other end of "To Battery" cable should be connected to CAN port of Pylon battery management unit (BMU).



**H** After all connection and setting have been done, please check if battery communication is OK on PV Master→Param→BMS Status, which should indicate "Communication OK".



### 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](http://www.goodwe.com)

**A Preparation**

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

**B Connect to "Solar-WiFi"**

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

**C Preparation**

Click "Start Setup"

**Please select you current wireless network**

Firmware version 1.6.9.3.38-21.38  
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\_Burn-in  
Encryption algorithm WPA/WPA2\_PSK  
Router Password AES  
Router Password WiFi\_Burn-in

**Cannot join the network, maybe caused by:**  
router doesn't exist, or signal is too weak, or password is incorrect.

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

**Start Setup**

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

**Please select you current wireless network**

SSID	AUTH/ENCRY	RSSI	Channel
<input type="radio"/> WiFi_Burn-in	WPA/WPA2_PSK/TKIP/AES	96	1
<input type="radio"/> WiFi_Burn-in	WPA/WPA2_PSK/TKIP/AES	100	1
<input type="radio"/> WiFi_Burn-in	WPA/WPA2_PSK/TKIP/AES	70	1
<input type="radio"/> WiFi_Burn-in2	WPA/WPA2_PSK/TKIP/AES	72	1
<input type="radio"/> WiFi_Burn-in2	WPA/WPA2_PSK/TKIP/AES	100	1
<input type="radio"/> WiFi_Burn-in2	WPA/WPA2_PSK/TKIP/AES	70	1
<input type="radio"/> WiFi_Burn-in3	WPA/WPA2_PSK/TKIP/AES	76	1
<input type="radio"/> WiFi_Burn-in3	WPA/WPA2_PSK/TKIP/AES	76	1

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

**Refresh**

**Back**   **Next**

If the router is not in the site list, please refer to No.4 in "Troubleshooting".

**D Connect to "Solar-WiFi"**

Fill in router password and click "Next".

**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) Router password  
 Remember the password (R)

**★ Note:** case sensitive for SSID and Password. Please make sure all parameters of wireless network are matched with router, including password.

**Back**   **Next**

→

**Save success!**

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

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

Configuration is completed, you can log on the Management page to restart device by click on "OK" button.

Confirm or complete?

**Back**   **Complete**

Note:  
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 connect to "Solar-WiFi" once again.

### E Troubleshooting

No.	Problem	Checking items
1	Cannot Find Solar-WiFi Signal	<ol style="list-style-type: none"> <li>1. Make sure inverter is powered on;</li> <li>2. Move your smart device closer to inverter;</li> <li>3. Restart inverter;</li> <li>4. Do "WiFi Reload" operation by referring to user manual.</li> </ol>
2	Cannot connect to Solar-WiFi Signal	<ol style="list-style-type: none"> <li>1. Try password: 12345678;</li> <li>2. Restart inverter;</li> <li>3. Make sure there is no other device connected to Solar-WiFi;</li> <li>4. Do "WiFi Reload" operation and try again.</li> </ol>
3	Cannot login website 10.10.100.253	<ol style="list-style-type: none"> <li>1. Make sure user name and password you are both admin;</li> <li>2. Do "WiFi Reload" operation and try again;</li> <li>3. Try another browser (suggest use Google, FireFox, IE, Safari etc.);</li> <li>4. Make sure website is 10.10.100.253</li> </ol>
4	Cannot find router SSID	<ol style="list-style-type: none"> <li>1. Move router closer to inverter or use a Wi-Fi repeater device;</li> <li>2. Connect to router and login the setting page to check the channel. Please make sure the channel is not bigger than 13. Otherwise, modify it.</li> </ol>
5	Cannot connect to router	<ol style="list-style-type: none"> <li>1. Restart inverter.</li> <li>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;</li> <li>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 make sure the channel is not bigger than 13. Otherwise, modify it;</li> <li>4. Restart router;</li> <li>5. Move router closer to inverter or use a Wi-Fi repeater device.</li> </ol>
6	After configuration, WiFi LED on inverter blink four times repeatedly	<ol style="list-style-type: none"> <li>1. Connect to the router and visit the portal <a href="http://www.semsportal.com">www.semsportal.com</a>. Check if the portal is available or not;</li> <li>2. Restart router and inverter;</li> </ol>

