BH QUICK INSTALLATION INSTRUCTIONS

PART 1
QUICK INSTALLATION

PART 2
BATTERY CONNECTION

PART 3
WI-FI CONFIGURATION
Step 2. SOP of Battery Connection With BH Inverter

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

1. BYD B-BOX
For BYD Battery: 50/74/76/90/103 with inverter.

A. Make sure that the converter and the battery pack is turned off before connecting the battery pack to the converter (Refer to Pic.1).

B. Connect the power cable to the terminal block of battery management unit (BMU). Connect the positive cable to “+” and the negative cable to “-” (Refer to Pic.2).

C. Connect the other end of the power cable to the terminal block of the hybrid inverter (Pic.3).

D. The communication cable for battery is attached on the converter. Please use this cable as battery communication cable (Refer to Pic.4).

F. On PV Master you should choose the right battery type used in your system by “Select Battery Model” selection or battery communication will fail (Pic.5).

E. The other end of “+” Battery cable should be connected to CAN port of BYD B-BOX box. Before this, you should pick out the blue and white line and the blue line. Then, connect the blue and white line to the second hole site, and connect the blue line to the third hole site (Pic.5).

G. After all connections and settings are done, please check if battery communication is OK on PV Master. If Param = 0 then, battery status, which should be “Communication OK” (Pic.7).
2. Pylon
For Pylon Power Cube H1/456/78/787 with inverter.

Note: The SOC of battery can be charged up to 90%, but cannot be changed to 100%. (There will be no further notice if this entry is subject to change.)

![Image](image1.png)

A. Make sure that the inverter and the battery pack is turned off before connecting the battery pack to the inverter (Pic. 1).

B. To connect the battery pack in series, follow the instructions below:
1. Connecting of the power cable:
   Connect "+B" of the battery management unit to "+B" of the first battery pack, and connect "-B" of the battery management unit to "-B" of the last battery pack. Connect "+B" with "-B" between adjacent battery packs. The orange end corresponds to "+B", the black end corresponds to "-B".
2. Connections of communication cable:
   Connect "Link Port 0 (BP)" to "Link Port 0" of the first battery pack. For the adjacent battery packs, connect "Link Port 1" to the next battery pack's "Link Port 1" in turn.

![Image](image2.png)

C. To connect the cables coming from the inverter to the Pylon battery, take the following steps:
1. Connect the power cables to the terminal block of Pylon BMU.
2. Connect the power cables to the terminal block of the inverter.
3. Connect the power cables to the terminal block of the Pylon BMU (Pic. 3).

![Image](image3.png)

D. Connect the other end of the power cable to the terminal block of the inverter (Pic. 4).

![Image](image4.png)

E. The communication cable for battery is attached in the inverter. Please use the BMU cable as battery communication cable. The other end of "+B Battery" cable should be connected to CAN/Link Port B of Pylon BMU (Pic. 5).

![Image](image5.png)

F. On PV Master, you should choose the right battery type used in your system by "Select Battery Model" selection or battery communication will fail (Pic. 6).

![Image](image6.png)

G. After all connections and settings are done, please check if battery communication is OK on PV Master → Power → BMU status, which should be "Communication OK" (Pic. 8).

![Image](image7.png)

H. Troubleshooting

<table>
<thead>
<tr>
<th>No.</th>
<th>Problem</th>
<th>Checking Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Connect Solar-WiFi Signal</td>
<td>1. Make sure inverter is powered on. 2. Restart inverter. 3. Connect &quot;+B&quot; to Solar-WiFi. 4. Do &quot;+B&quot; then try again.</td>
</tr>
<tr>
<td>2</td>
<td>Connect to Solar-WiFi Signal</td>
<td>1. Try password: 12345678. 2. Restart inverter. 3. Make sure there is no other device connected to the network. 4. Do &quot;+B&quot; then try again.</td>
</tr>
<tr>
<td>3</td>
<td>Connect login website 10.10.102.253</td>
<td>1. Make sure user name and password you use are both correct. 2. Do &quot;+B&quot; then try again.</td>
</tr>
<tr>
<td>4</td>
<td>Connect to net 10.10.102.253</td>
<td>1. Move router closer to inverter or use Wireless network extension. 2. Connect to router and log into the setting page to check the channel. It is necessary. Please make sure the channel is not bigger than 13. Otherwise, modify it.</td>
</tr>
</tbody>
</table>

![Image](image8.png)

I. Connect to Solar-WiFi Signal

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<tr>
<td>1</td>
<td>Connect Solar-WiFi Signal</td>
<td>1. Restart inverter. 2. Connect to Solar-WiFi login again, check if the &quot;SSID&quot;, &quot;Security Mode&quot;, &quot;Encryption Type&quot; and &quot;Pass Phrase&quot; is matching with that of router or not.</td>
</tr>
<tr>
<td>2</td>
<td>Connect to router and log in</td>
<td>1. Make sure the network is safe. 2. Directly log in.</td>
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<tr>
<td>4</td>
<td>Connect to router login</td>
<td>1. Make sure the network is safe. 2. Directly log in.</td>
</tr>
<tr>
<td>5</td>
<td>Connect to router login</td>
<td>1. Make sure the network is safe. 2. Directly log in.</td>
</tr>
<tr>
<td>6</td>
<td>After configuration, check the LCD four lines</td>
<td>1. Connect to the router and check if the LCD four lines are normal. 2. Restart inverter and inverter.</td>
</tr>
</tbody>
</table>