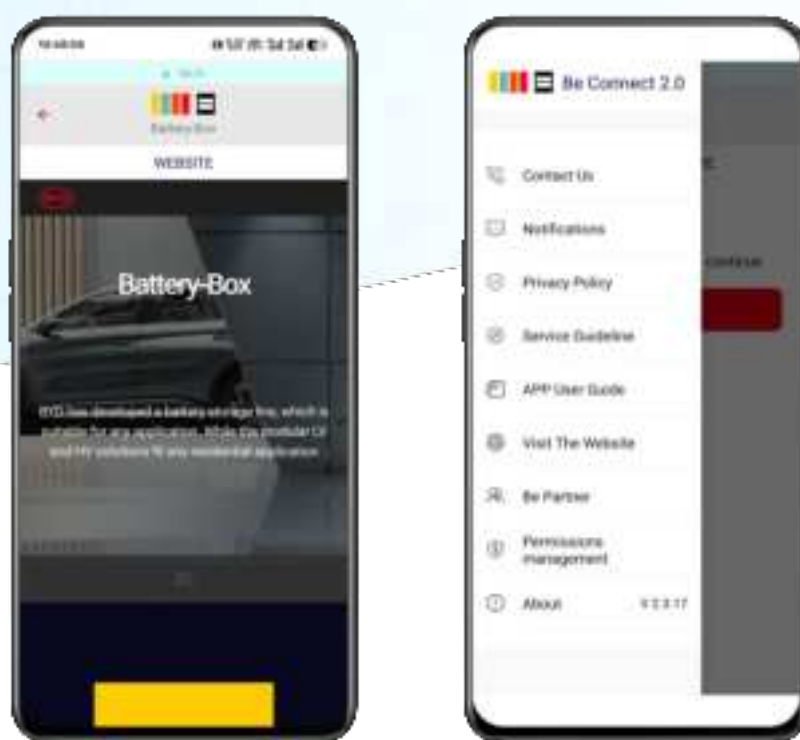


Be Connect 2.0 User Guide



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Disclaimer

Every effort has been made to make this document complete, accurate, and up-to-date. However, Shenzhen BYD Electronics Co., Ltd. may need to make some improvements under certain circumstances without advance notice. Shenzhen BYD Electronics Co., Ltd. shall not be responsible for any loss caused by this document, including, but not limited to, omissions errors, typographical errors, arithmetical errors, or listing errors in this document.

1. Download and Install

- Search for “**Be Connect 2.0**” at the Google Play/App Store or scan the **QR code** in Figure 1 to download the App.



Figure 1 QR Code of the App

- Be Connect 2.0 is available in English, German, Spanish, France and Italian. The language of the app will follow language of the mobile device system. The display language will be English if the mobile device system using the languages other than the five ones listed above.

2. Status Bar

There are **three status bars** at the top of the interface. (Figure 2)

- Yellow**, shows the note that the app gives and you don't need to take actions, such as the network status changes. You can click the cross behind the words to dismiss it.
- Green**, shows network status, such as cellular data or the name of Wi-Fi.
- Red**, shows the real-time event of BMU and other communication errors between the mobile device and the battery. (BMU means Battery Management Unit, which is the control unit of the whole battery system.)



Figure 2 Status Bar

3. Privacy Policy

- Click the **"Agree"**, and then you can continue.
- It only shows once after the app is installed.



Figure 3 Privacy Policy

4. Download Firmware

- **Make sure the Internet is available** at this step. The app will compare the firmware stored in the mobile device with that at the server. If that at the server has a higher version, the app will download it automatically or inform you to download (if you are using cellular data).
- If there is **no Internet available** on site, you can click **"Skip"** after reading the notice to continue. It is strongly recommended to download the latest version of the firmware if you have the possibility to access the Internet.



Figure 4 No Internet Available Notice



Figure 5 Cellular Data Using Notice

5. Connect to Battery Wi-Fi

- Click **"To Wi-Fi Settings"**, and it will go to the Wi-Fi setting interface. (This is for Android Version. And the iOS version, you need to go to the setting interface manually.)
- The name of the Wi-Fi begins with BYD. If there are more than one battery Wi-Fi available, please make sure the correct one is chosen. **You can find the Wi-Fi name and the default password at the label of the BMU or the BCU.**
- When you connect to the battery Wi-Fi for the **first time**, a notice which password needed to be changed will pop up (Figure 7). Click "OK" to enter the Wi-Fi change interface. After changing the Wi-Fi password, you need to **reconnect to the battery Wi-Fi with the new password**.



Figure 6 Wi-Fi Settings interface



Figure 7 Change password notice



Figure 8 Change the password interface



Figure 9 Changed successfully notice

Note:

- The Wi-Fi of the battery system will **disappear in five hours** after the system started. If you cannot find the battery Wi-Fi, Please **restart the battery system** or **press the LED button for around one second** while the system is on, which could activate the Wi-Fi again.
- If you failed to connect to the Battery Wi-Fi, you can click the three dots at the top left side of the interface (Figure 10), and then choose the **"Service Guideline"** for the troubleshooting.
- If you want to **change the Wi-Fi password**, please click the three dots in the top left side of the Status interface (Figure 17) to main menu (Figure 18) after configuring the battery system, and then choose **"Battery Network Management"** to change the battery Wi-Fi password.
- If you **forget the changed password**, please press the LED button **three times (each time around one second) within six seconds** while the battery system is on to **reset the battery Wi-Fi**. If the reset is successful, the LED light will **blink five times quickly**.



Figure 10 Find the Menu

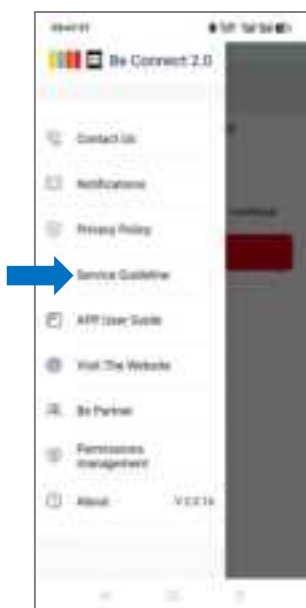


Figure 11 Find the Service Guideline

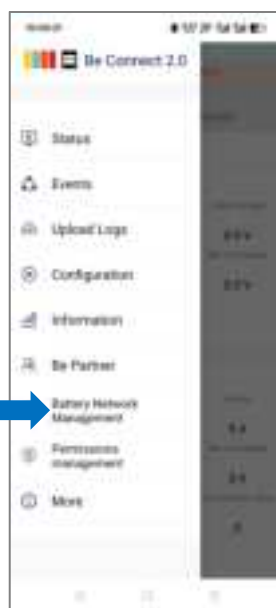


Figure 12 Find the Battery Network Management



Figure 13 Change the Wi-Fi password

6. Firmware Update

- The firmware update will start automatically if everything goes well.
- It may take one to ten minutes in different situations.
- Please keep the app in **foreground** when the update is going on.
- If the firmware of BMS (Battery Management System, secondary level control unit of the battery system) has been updated. The battery system will have an internal update in five minutes, which could last for around **ten minutes**. Some functions of the app may not work during that process.
- If the update stops in between, please check whether the Wi-Fi connection is good and whether the battery system is on.
- If the firmware at the battery system has a higher version than that in your mobile device, you cannot proceed. In this situation, if you are sure your firmware is the latest, you can contact the local service partner. Otherwise, download the latest version of the firmware first.

7. Configuration

- You can choose to configure the battery or not at this step (Figure 14). **It is necessary to do the configuration if the battery has not been configured before.** Please **make sure** you have read the Minimum Configuration List or Compatible Inverter List before the configuration.
- If you are an end customer, please click **"No"** to skip the configuration, to avoid incorrect configuration make the system shutdown.



Figure 14 Configuration Notice



Figure 15 Inverter Configuration



Figure 16 System Configuration

- Choose the **inverter brand** that will operate with the battery system (Figure 15). If the inverter you intend to choose is not in the list, check the latest version Compatible Inverter List (or Minimum Configuration List) first.
- The “**Model**” in Figure 16 means the model of the battery system.
- For one LVS/LVS Lite tower, **maximum 6 battery modules** are allowed in **one tower**. But for two or more than two towers connected **in parallel**, **maximum 4 battery modules** are allowed in each tower.
- For **LVS/LVS Lite, LV Flex/LV Flex Lite and LVL**, the quantity you are going to choose is the **total battery modules** of the whole battery system. (Figure 16)
- For the **LV (LVS/LVL/LV Flex, etc.)** battery system, the configuration of the **application mode** is also necessary. Wrong configuration could make your system not work in an ideal model.
- For **HV (HVS/HVM/HVL/HVM-US)** battery system, if you add new modules to the existing system, please **make sure** the SOC of the new battery module is **approximately the same** as the existing battery system. It is quite important. Otherwise, you may lose some capacity without further calibration.
- You can also do the configuration in the main menu. (Figure 18)

8. Main Menu

- Click the three dots at the left top corner in Figure 17 you can enter the main menu (Figure 18).
- The product model and Serial Number display at the top of the interface.
- Click “**More**” in Figure 18, and you can get more items.
- In the item Service Guideline, you can read our document Service Guideline, which will help you to make the troubleshooting. You can also find this documents at our website.
- In the item Configuration, you can configure the battery system again.
- In the item Information (Figure 19), you can read some basic information of the battery system.



Figure 17 Status Interface

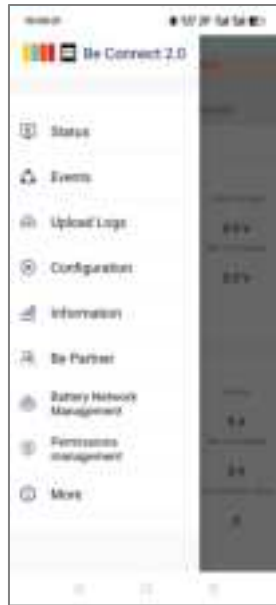


Figure 18 Main menu



Figure 19 information interface

9. Status

- Data of the BMU and BMS will **refresh every five seconds**. (Figure 17)

10. Events

- The default historical events is for the **past half month**. Both the BMU and BMS event are available. If you cannot read the events or the events you want is beyond the past half months, you can contact our local service partner.
- If you cannot read the events, please contact local service partner.
- Internal Communication Failure means BMU<>BMS communication issue. Please check the LED event code and refer to Service Guideline.
- Monitoring Module Warning means an error occurred. Refer to service checklist, while No Monitoring Module Warning means everything normal. No action required.

11. Upload logs

- This function is designed for the situation that you need to provide logs to BYD service partner.
- You can upload logs to BYD server, and BYD service partner could read that information, and then help to diagnose your issues of your battery system.
- The default time range for the logs is **one month**, you can also choose **other time range** if you want. (Figure 20 and Figure 21)
- After the logs are downloaded from the battery, you need to get your mobile device accessing the Internet. When the logs are uploaded, you can reconnect the battery Wi-Fi to continue other operations. (Figure 22)



Figure 20 Date Range Notice



Figure 21 Date Range Selection



Figure 22 internet Access Notice

12. Miscellaneous

- If there is a notice "**No reply from the battery system**", please check whether the battery system is on.
- If there is a notice "**The battery system is busy. Please try again later**", please wait around ten minutes, and try again. If the notice is still there, you can restart the battery system, or try another mobile device.
- If you cannot complete the firmware upload or configuration, try to download the PC application (Be Connect Plus) from the website: www.bydbatterybox.com/downloads.

13. Contact Us

If you encounter any issues with the app, please contact us or the local service partner and provide app screenshots, video of a special behaviour, etc.

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