



## BYD BCU 2.0 – Additional Information

### Be Connect 2.0

The new BCU is compatible with all old BYD batteries and BCU's. An older BYD system can be expanded using the new BCU, either in master or slave configuration.

The new BCU 2.0 allows for advanced monitoring per module and fault detection via the Be Connect 2.0 app. The new battery box must be configured via the Be Connect app before startup.

- 1) Download the Be Connect 2.0 app
- 2) Select the battery in your Wi-Fi. The WLAN name is displayed on the back of the BCU underneath the circuit breaker.
- 3) Log in using the default password: **“BYDB-Box”**
- 4) On the configuration screen select the number of modules and the inverter manufacturer.
- 5) The system is ready for use.

The screenshot shows the Be Connect 2.0 app interface. At the top, the status bar shows the time 10:15, signal strength, Wi-Fi, and battery level at 64%. Below the status bar is a yellow banner that says "Disconnected from the battery" with a close button. Underneath is a blue banner with a Wi-Fi icon and the text "Wi-Fi". Below these banners is a red vertical ellipsis, a logo with four colored bars (yellow, green, blue, red), and the text "HVS P030\*\*\*\*\*2504031242". Below this is the heading "STATUS". The main content area is divided into two sections: "BMU" and "BMS 1". The "BMU" section contains a table with three columns: SOC, Battery Voltage, and Output Voltage. The "BMS 1" section contains a table with three columns: Battery Voltage, Output Voltage, and Current. The tables show various numerical values for each parameter.

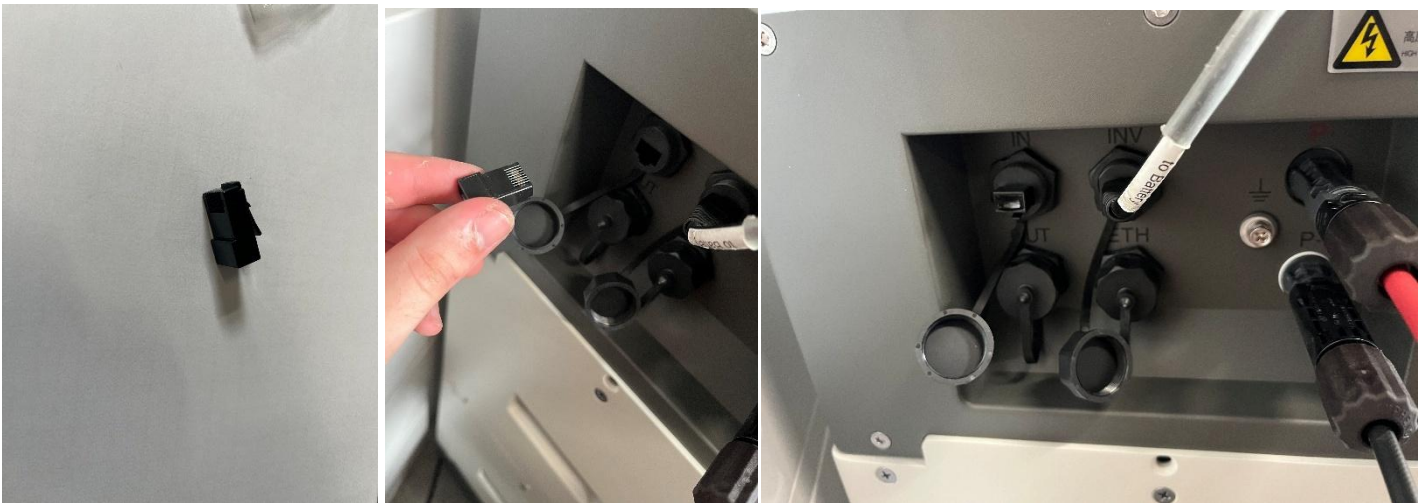
| BMU           |                  |                  |
|---------------|------------------|------------------|
| SOC           | Battery Voltage  | Output Voltage   |
| 31%           | 210.5V           | 0.0V             |
| Current       | Max Cell Voltage | Min Cell Voltage |
| 0.00A         | 3.29V            | 3.28V            |
| Max Cell Temp | Min Cell Temp    |                  |
| 23°C          | 23°C             |                  |

| BMS 1               |                     |                     |
|---------------------|---------------------|---------------------|
| Battery Voltage     | Output Voltage      | Current             |
| 210.5V              | 0.0V                | 0.00A               |
| Max Cell Voltage    | Module* With Max... | Min Cell Voltage    |
| 3.29V               | 1                   | 3.28V               |
| Module* With Min... | Max Cell Temp       | Module* With Max... |
| 2                   | 23°C                | 1                   |

## Terminal Adaptor

The new BCU **requires the use of a terminal adaptor**. The system **will not function** without it. The BCU will not detect the modules and will show internal comm error/EC111.

The terminal adaptor is delivered in the BCU 2.0 box, be careful not to throw it away on accident. The exact configuration of the terminal adaptor is found in the user manual. It must be placed on the IN port of the last battery stack in the system.



If the terminal resistor is lost you can create a new one using a standard UTP plug. Pin 1 and 6 need to be looped / short-circuited. This is quicker than ordering a new one via a BYD service partner.