

Battery-Box Premium LV BMU Instruction Manual

V 1.1

VALIDITY

This document is valid for the Battery-Box Premium LV BMU (Battery Management Unit) ("**BMU**") from firmware version 1.0.

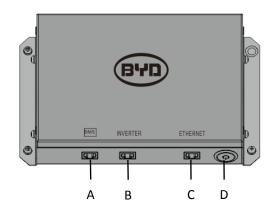
INTENDED USE

BMU is applicable for the BYD Battery-Box Premium LV system(s) (LVS 3.8, LVS 7.7, LVS 11.5, LVS 15.4, LVS 19.2, LVS 23.0 and LVL 15.4) ("Battery-Box"), and works as a control unit for the system(s).

PRODUCT DESCRIPTION

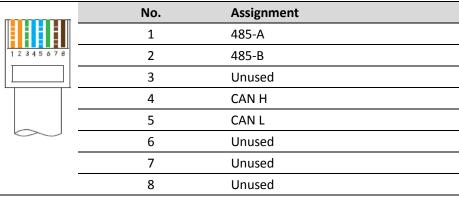
BMU is equipped with a WLAN interface as a standard. Special tools BYD developed could communicate with BMU through it.

The WLAN name and code are on the label of BMU.



- **A:** RJ45 port for connection with Battery-Box
- **B:** RJ45 port for connection with an inverter
- C: Ethernet port
- D: Stop button and status LED

Assignment of Port B





SCOPE OF DELIVERY

- 1×BMU
- 1×Instruction Manual

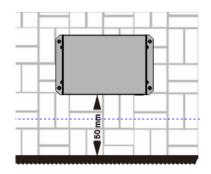
TECHNICAL DATA

Communication	Ethernet/CAN/RS 485
Input voltage*	40-60 V
Input current	200 mA
Weight	1 kg
Dimensions (L \times W \times H)	250 mm×122 mm×50 mm
Ambient temperature in operation	-10°C to 50°C
Relative humidity (non-condensing)	5% to 85%
Degree of protection (in accordance with IEC 60529)	IP21

^{*}BMU is powered by Battery-Box through the network cable. No other power supply is needed.

MOUNTING

Install BMU on the wall or a rack. The recommended expansion screw size is M4 \times 12. The minimum distance from the ground is 50 mm.



CONNECTION

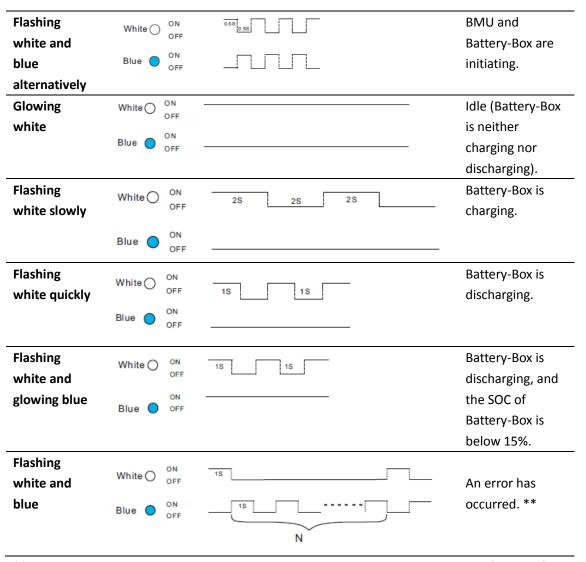
- 1. The communication cable between BMU and an inverter cannot be longer than 10 meters. And the cable should be CAT 5 shield or above.
- 2. Please make sure the correct pins are connected between BMU and an inverter.
- 3. The connection between BMU and Battery-Box should be the Straight-Through Wired Cable.

COMMISSIONING

- 1. Make sure an inverter, Battery-Box, and BMU are correctly connected.
- 2. Press the Start Button on Battery-Box for 3 seconds.



LED STATUS



^{**1}s white once then 1s blue several times are a circle, and also error codes. The definition of the error codes could be found in Battery-Box Premium Operating Manual LVL or LVS.

UPDATING FIRMWARE

The firmware of BMU could only be updated when it operates with Battery-Box. Please refer to the Operating Manual of Battery-Box for further information.

DISPOSAL

Dispose of BMU following the locally applicable disposal regulations for electronic waste.