



B-BOX 2.5 Wall mounted



Introduction

The Battery Box products rely on the cutting-edge BYD Iron-Phosphate battery for the streamlined energy storage. B-Box 2.5 has a lightweight wall mounting design which has been specially developed for use in small areas that require energy back-up.

Not only with the same batteries used on the BYD double-decker E-Bus in London, but all the batteries for the B-BOX are produced by the same fully automation traction battery production line.

The B-BOX 2.5, with BYD's excellent Iron-Phosphate battery, has the superiorities of high reliability, high life-cycle and high temperature performance, as well as being environmentally friendly.

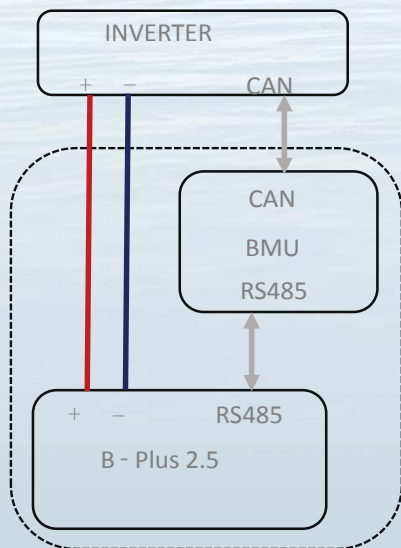
The B-BOX2.5 consists of three components: Battery module, BMU and Bracket.
 Battery provides energy to load
 BMU is communication center
 Bracket is for mounting to the wall

System Features

- Support RS485/CAN communication
- Easy to Install
- Modular design

Applications

- Residential PV Installations for household energy demands
- Commercial and Industrial installations for peak shaving
- The B-BOX is used with an external battery inverter SMA Sunny island or GOODWE ES



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B-Plus2.5

The BYD standard 3U battery—U3A1-50P-A which is CE and TUV certified, has been widely used in Telecom and Energy Storage applications on the global market. The battery is produced with the BYD LiFePO4 technology and has an annual capacity of 14GWh.

Battery Features

- Stable discharge platform
- Excellent safety performance
- Long life cycle
- High energy density
- High charge & discharge rate
- High energy transfer efficiency
- High temperature performance
- No pollution

Parameters

Battery Type	Iron phosphate battery
Battery module	B-plus2.5
Rated energy	2.56 kWh
Output power	Max 2.5 KW
Usable energy[1]	2.45 kWh
Nominal voltage	51.2V
Voltage range	43.2V~56.5Vdc
Charging efficiency	99%
Communication	RS485/CAN
Dimension of BMU(W*H*D,mm)	163 x 44 x 171.754 (Without handle)
Net Weight of BMU	1.7 Kg
Dimension of B-plus	482.6 x 478 x 130 (Without bracket)
Net Weight of B-plus 2.5	34.8Kg
Net Weight of Bracket	2.9Kg
Calendar life	>6000[+25°C]
Warranty	10Years
Operating temperature	0°C~+50°C
Storage temperature	-10°C~40°C
Transport	UN3480 & UN38.3
EMC standard compliance	EN 61000 chapter 4.2,4.3,4.5,4.6/EN55022
Safety standard compliance	IEC 62619/UN 38.3/UL1642
Certificate	TUV / CE / UL1642
IP level	IP20
Maintenance	Charge the battery half a year when storage or inactive status

[1]Test conditions:0.2C discharge@25

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