

BYD ENERGY STORAGE PRODUCTS(B-BOX)



B-BOX 2.5-10.0



B-Plus2.5

BYD standard 3U battery—U3A1-50P-A which is CE and TÜV certified, has been widely used in Telecom and Energy Storage applications with in global market. The battery is manufactured by BYD LiFePo4 technology with an annual capacity of 10GWh.

Features of battery

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

	B-Box 2.5	B-Box 5.0	B-Box 7.5	B-Box 10.0
Battery Type	Iron phosphate battery			
Battery module	B-plus2.5*1PCS	B-plus2.5*2PCS	B-plus2.5*3PCS	B-plus2.5*4PCS
Rated battery energy (0.2C charge&discharge at @+25℃)	2.5KWh	5KWh	7.5KWh	10KWh
Output power	Max 2.5KW	Max 5KW	Max 7.5KW	Max 10KW
Usable battery energy	2.4KWh	4.8KWh	7.2KWh	9.6KWh
Nominal voltage	51.2V			
Battery combine No	B-plus2.5*1PCS	B-plus2.5*2PCS	B-plus2.5*3PCS	B-plus2.5*4PCS
Energy efficiency	>97%			
BMS with Equalization	Yes			
Working voltage	44.8V-57.6V			
Communication	RS485/CAN			
Dimension of cabinet (mm)	Width 600*depth 600*height 1000 (without wheels)			
Net Weight of B-BOX	88Kg	126Kg	164Kg	202Kg
Dimension of B-plus 2.5 (mm)	Width 482.6*depth 489.5*height 130			
Net Weight of B-plus 2.5	38Kg			
Battery Cycle life	>6000[+25℃, 0.4C]			
Operating temperature	0℃~+55℃			
Storage temperature	-20℃~+55℃			
Transport	UN3480 & UN38.3			
Storage duration	12 months@+25℃; 6 months@+35℃; 3 months@+45℃			
EMC standard compliance	EN 61000 chapter 4.2,4.3,4.5,4.6/EN55022			
Safety standard compliance	UL1642 for cell; CE and TÜV(JP) for battery module			
IP level	IP20			
Maintenance	Charge the battery half a year when storage or inactive status			
Scalability	/	/	/	Yes , Up to 80KWh

BYD COMPANY LIMITED

Address: No.3009, BYD Road, Pingshan, Shenzhen, 518118, P.R.China

Tel: +86-755-8988 8888-53260

Fax: +86-755-8483 5502

E-mail: eubatterygrp@byd.com

Web: www.byd.com/energy

Discover more about BYD on

www.byd.com Facebook.com/bydcompany Twitter.com/bydcompany Youtube.com/bydcompany

