

BYD ENERGY STORAGE PRODUCTS(B-BOX)



B-BOX 12.8

B-Plus12.8

BYD standard 51.2V 250Ah battery is UL1642 certified, had been widely used in e-Bus and Energy Storage applications in global market. The battery is manufactured by BYD LiFePo4 technology with 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 12.8 Parameters

Battery Type	Iron phosphate battery B-plus 12.8
Battery module	B-plus 12.8 (51.2V 250Ah)
Rated battery energy	12.8KWh (0.2C charge&discharge at @+25 C)
Usable battery energy	12.0KWh
Output power	Max 12.8KW
Nominal voltage	51.2V
Energy efficiency	>97%
BMS with Equalization	Yes
Working voltage	44.8V-57.6V
Communication	RS485/CAN
Dimension (mm)	Width 600*depth 600*height 1108 (with wheels)
Net Weight	180kg
Battery Cycle life	>6000 [+25 C, 0.4C]
Operating temperature	0 C ~ +55 C
Storage temperature	-20 C ~ -55 C
Transport	UN3480 & UN38.3
Storage duration	12 months@+25 C ; 6 months@+35 C ; 3 months@+45 C
EMC standard compliance	EN 61000 chapter 4.2,4.3,4.5,4.6/EN55022
Safety standard compliance	UL1642 for cell; UL1973 for battery module
IP level	IP20
Maintenance	Charge the battery half a year when storage or inactive status
Scalability	Yes , up to 409KWh

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