

## BYD HIGH VOLTAGE ENERGY STORAGE PRODUCTS



### B-BOX-H5/6/7/8/9

#### System Introduction

The B-BOX-H product is specially designed for ON/OFF grid application in household, relies on the cutting-edge BYD Lithium Iron-Phosphate battery for streamlined energy storage. The system includes battery module and BMU that for battery management and communication.

The flexible modular design can meet various requirements on voltage, single battery module - B-Plus-H is 51.2Vdc 25Ah supports max output 2C discharge and series connection to 460Vdc 25Ah.

The flexible modular design is able to be set up with 5~9 battery modules in one rack to meet the higher voltage requirement up to 460Vdc. B-BOX-H supports different storage capacities, the capacity can be extended (from 6.25 up to 56.25 KWh) by parallel connection of battery racks

#### System Features

- Flexible capacity configuration
- Support system parallel connection
- Support CAN communication
- Modular design
- Easy to Install
- No pollution
- High temperature performance
- Long cycle life
- Excellent safety performance
- Discharge plant Stable



B-BOX-H5



B-BOX-H9

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### B-BOX-H5/6/7/8/9

#### B-Plus-H

B-Plus-H, BYD standard product that has been widely used in Energy Storage applications.

Battery type	LFP
Output power	1.28 kW
Peak power	2.56 kW
Capacity	1.25 kWh
Nominal voltage	51.2V
Working voltage	40-57.6Vdc
Operating temperature	0°C ~ +50°C
Storage temperature	-10°C ~ +45°C
Transport	UN3480 & UN38.3
Dimension(W*H*D)	542mm*118mm*290mm
Net Weight	20Kg
Capacity extension	Can support max 9 modules in series connection in one rack

#### Applications

- Residential PV Installations for home self-consumption applications
- Commercial and Industrial installations for peak shaving

#### System parameters

Type	B-BOX-H5	B-BOX-H6	B-BOX-H7	B-BOX-H8	B-BOX-H9
Battery module	B-Plus-H*5	B-Plus-H *6	B-Plus-H *7	B-Plus-H *8	B-Plus-H *9
Output power	6.4 kW	7.68 kW	8.96 kW	10.24 kW	11.52 kW
Usable Capacity	6.25 kWh	7.5 kWh	8.75 kWh	10 kWh	11.25 kWh
Nominal voltage	256V	307V	358V	409V	460V
Working voltage	200-288Vdc	240-345.6Vdc	280-403.2Vdc	320-460.8Vdc	360-518.4Vdc
Energy efficiency	>95%[+25°C]				
Dimension(W*H*D,mm)	542*758*290	542*876*290	542*994*290	542*1112*290	542*1230*290
Net Weight	About 115Kg	About 135 Kg	About 155 Kg	About 175 Kg	About 195 Kg
Communication	RS485/CAN				
Warranty	10 years(25°C,100%DOD)				
Operating temperature	-10°C ~ +50°C				
Storage temperature	-10°C ~ +40°C				
Capacity extension	31.25kWh	37.50kWh	43.75kWh	50kWh	56.25kWh
	5 in parallel	5 in parallel	5 in parallel	5 in parallel	5 in parallel

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