



**B**uild  
**Y**our  
**D**reams  
**NEW**  
**ENERGY**



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## Safe Battery Chemistry

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B-Box is designed with Li-FePO<sub>4</sub> chemistry battery with proven safety tracking record, the thermal run away temperature is over 480 °C which is over 100% higher than NCM or NCA chemistry. It is designed for residential and commercial application with perfect safety behavior.

As world's largest EV manufacturer, BYD brings railway and automotive battery standard to residential & commercial solutions: B-Box, Over 6 years EV operation tracking record proves its safety and reliability. All products have been certified according to international standard including TUV, UL and RCM.

## High Power Output&Usable Energy Ratio

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B-Box is capable to deliver the highest charging and discharging capacity in industry which generates the best return of investment. The system is able to reach C rate at 1C continuously and 2C at peak to support critical loads such as A/C and pumps, etc. With smart design concept, it can deliver around usable ratio of 96%.

## Easy Installation&Uninterruptible Maintenance

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All B-Box systems are modular design which features uninterruptible maintenance and requires only one technician for installation.

## Flexible Extension Life Time

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B-Box is equipped with modular design concept and smart BMS (Battery Management System) which can allow extension in whole life time.

## Nature Cooling

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B-Box is designed with nature cooling which gives highest efficiency of the system.

## 10 Years Warranty

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10 years product warranty gives best guarantee of operation.



# BYD B-BOX BATTERY STORAGE

## B-BOX HV



Model	B-Box H5	B-Box H6	B-Box H7	B-Box H8	B-Box H9
Battery Type	Iron phosphate battery				
Battery Module	B-Plus-H (1.12kWh) 5 modules	6 modules	7 modules	8 modules	9 modules
Nominal Battery Energy[kWh]	5.6	6.72	7.84	8.96	10.08
Max Output Power[kW]	5.6	6.72	7.84	8.96	10.08
Peak Output Power[kW]	11.2,5mins	13.44,5mins	15.68,5mins	17.92,5mins	20.16,5mins
Usable Battery Energy [1] [kWh]	5.26	6.31	7.36	8.42	9.47
Nominal Voltage[V]	256	307	358	409	460
Working Voltage[V]	200~282	240~338	280~395	320~451	360~500
Communication	CAN/RS485				
Dimension[W×H×D,mm]	580×840×380	580×960×380	580×1080×380	580×1200×380	580×1320×380
Net Weight of System[Kg]	115	135	155	175	195
Enclosure Protection Rating	IP55				
Calendar Life[Cycles]	>6000				
Operating Temperature Range[°C]	0~+50				
Certification & Safety Standard	TUV / CE / UL1973 /RCM / Safety Guidelines				
Scalability [kWh]	Max. 5 in parallel				
Compatible Inverters	To be announced				

[1] Test conditions: 0.2C discharge@+25°C

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# BYD B-BOX BATTERY STORAGE

## B-BOX LV Professional



B-Box 2.5~10.0



B-Box12.8

Model	B-Box 2.5	B-Box 5.0	B-Box 7.5	B-Box 10.0	B-Box 12.8
Battery Type	Iron phosphate battery				
Battery Module	B-Plus2.5 (2.56kWh) 1 module	2 modules	3 modules	4 modules	B-Plus-12.8 (12.8kWh) 4 modules
Nominal Battery Energy[kWh]	2.56	5.12	7.68	10.24	12.8
Max Output Power[kW]	2.56	5.12	7.68	10.24	12.8
Peak Output Current[Amp]	100,3mins	200,3mins	300,3mins	400,3mins	260,60secs
Usable Battery Energy [1] [kWh]	2.45	4.9	7.35	9.8	12
Nominal Voltage[V]	51.2				
Working Voltage[V]	40~56.4				
Communication	CAN/RS485				
Dimension of Cabinet [W×H×D,mm]	600×883×510				650×800×550
Net Weight of System[Kg]	85	120	155	190	180
Enclosure Protection Rating	IP20				
Calendar Life[Cycles]	> 6000				
Operating Temperature Range[°C]	0~+50				
Certification & Safety Standard	TUV / CE / UN38.3 / RCM / Safety Guidelines				
Scalability [kWh]	Up to 80				Up to 409
Compatible Inverters	SMA/GOODWE/ SolaX/ Victron, More brands will be announced				

[1] Test conditions: 0.2C discharge@+25°C

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# BYD B-BOX BATTERY STORAGE

## B-BOX LV Residential



Model	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 (2.56kWh) 1 module	2 modules	3 modules	4 modules
Nominal Battery Energy[kWh]	2.56	5.12	7.68	10.24
Max Output Power[kW]	2.56	5.12	7.68	10.24
Peak Output Current[Amp]	100,3mins	200,3mins	300,3mins	400,3mins
Usable Battery Energy [1] [kWh]	2.45	4.9	7.35	9.8
Nominal Voltage[V]	51.2			
Working Voltage[V]	40~56.4			
Communication	CAN/RS485			
Dimension of Cabinet [W×H×D,mm]	620×1728×320			
Net Weight of System[Kg]	100	135	170	205
Enclosure Protection Rating	IP55			
Calendar Life[Cycles]	> 6000			
Operating Temperature Range[°C]	0~+50			
Certification & Safety Standard	TUV / CE / UN38.3 / RCM / Safety Guidelines			
Scalability [kWh]	Up to 80			
Compatible Inverters	SMA/GOODWE/ SolaX/ Victron, More brands will be announced			

[1] Test conditions: 0.2C discharge@+25°C

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