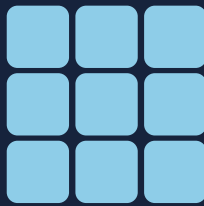




**B**uild  
**Y**our  
**D**reams  
**NEW**  
**ENERGY**



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BYD reserves the right to modify the parameters without prior notice



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## Safe Battery Chemistry

B-Box is designed with  $\text{LiFePO}_4$  chemistry battery which has been widely recognized as one of the safest battery technologies.  $\text{LiFePO}_4$  chemistry features stable structures and its thermal runaway temperature is over  $480^\circ\text{C}$ . That's 100% higher than NCM and NCA chemistry. It is designed for residential and commercial applications with absolute safety.

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## Railway and Automotive Standard Battery

As the world's largest Electric Vehicle manufacturer, BYD brings railway and automotive battery standards to residential and commercial solutions: B-Box. 6+ years' track records of large scale applications in Electric Vehicles ensure its safety and reliability. All products have been certified according to international standards including TUV, UL and RCM.

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## High Power Output

B-Box has the highest output power in industry, which brings the highest performance to customers. The system is able to reach C rate at max 1C and 2C at peak to support critical loads such as A/C and pumps, etc.

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## Easy Installation and Uninterruptible Maintenance

All B-Box systems have modular design featuring uninterruptible maintenance, and easy installation.

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## Flexible Extension Life Time

B-Box is equipped with modular design and smart BMS (Battery Management System), allowing extension throughout its lifetime.

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## Natural Cooling

B-Box is designed with natural cooling providing optimum efficiency.

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## 10 Years Warranty

10 Years Warranty provides the best guarantee of operation.

# BYD B-Box BATTERY STORAGE

## B-Box HV US



Model	B-BOX H 5.12	B-BOX H 7.68	B-BOX H 10.24	
Battery Type	LiFePO <sub>4</sub>			
Battery Module	B-Plus-H (2.56 kWh)			
	2 modules	3 modules	4 modules	
Usable Energy <sup>[1]</sup> [kWh]	5.12	7.68	10.24	
Max. Output Power [kW]	5.12	7.68	10.24	
Peak Output Power [kW]	10.24, 5mins	15.36, 5mins	20.48, 5mins	
Round-Trip Efficiency	≥95.3% (Under test condition [1] )			
Nominal Voltage [V]	204	307	409	
Operating Voltage Range [V]	160~225	240~338	320~451	
Communication	CAN / RS485			
Dimension [W×H×D]	mm	620×736×380	620×971×380	620×1206×380
	Inch	24.4×28.97×14.96	24.4×38.22×14.96	24.4×47.48×14.96
Net Weight [lbs/kg]	About 224.87 / 102	About 315.26 / 143	About 405.65 / 184	
Enclosure	NEMA 3			
Warranty	10 years			
Optimal Operating Temperature Range <sup>[2]</sup> [°F/°C]	14 to 122°F (-10 to 50°C)			
Certification & Safety Standard	TUV / CE / UL			
Compatible Inverters	SMA, More brands will be announced			

[1] Test conditions: 100% DOD, 0.5C charge & discharge @77°F (25°C)

[2] 14°F (-10°C)~ 50°F (10°C) will be derating

\*System Usable Energy may be variant with different inverter brands

*Build Your Dreams*