



# BYD BATTERY-BOX

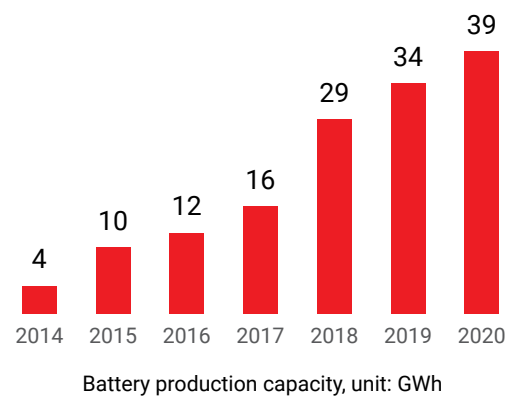
THE BATTERY FOR ALL APPLICATIONS





## ABOUT BYD

BYD Company Ltd. is a leading high-tech multinational company based in Shenzhen, China. Since its establishment in 1995, BYD has developed solid expertise in rechargeable batteries, becoming a relentless advocate of sustainable development. BYD has successfully expanded its renewable energy solutions globally with operations in over 50 countries and regions. After 23 years' development, BYD has created a Zero Emissions Energy Ecosystem – affordable solar power generation, reliable energy storage, cutting-edge electrified transportation and a state of the art monorail has made it an industry leader in the energy and transportation sector. BYD is listed on the Hong Kong and Shenzhen Stock Exchange.



BYD is the world's biggest manufacturer of electric vehicles. From electric forklifts to double decker busses in London or the new Skyrail - BYD electrifies all means of transportation to establish an emission free ecosystem.



# ADVANTAGES

With its innovation and reliability, BYD and the Battery-Box gain a lot of recognition. Examples are the EUPD seal for top Brand for Storage or the innovation Award of PV Magazine for the Battery-Box HV.



## Automotive Standard Battery

As the world's largest Electric Vehicle manufacturer, BYD brings the highest safety and performance standards to residential and commercial battery solutions.



## Modular design

All Battery-Box systems feature a modular design to provide maximum flexibility.



## Reliable for a longer life

Extensive life testing and road track record show the highest levels of reliability and long life.



## High Performance

Award winning performance and efficiency levels.



## 10 Years Warranty

BYD provides 10 years performance warranty.



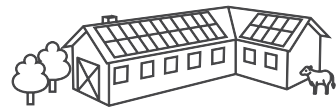
## Safety certification guarantee

All products have been certified according to international standards including TÜV, UL and CE and RCM.

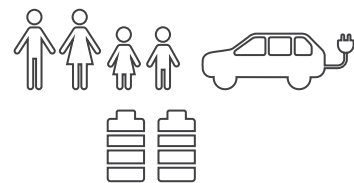


# THE PRODUCT

The BYD Battery-Box is a lithium battery with battery control unit (BCU) for usage with an external inverter. The flexible battery system provides maximum safety, lifetime and performance, which makes it the perfect battery for all applications.



Always the perfect battery: Individual configuration for any application.



Thanks to its modular design the Battery-Box can grow with its requirements at any time.



Enough power for all applications and situations like backup or grid-services

# Battery-Box HV

## Battery-Box H 5.0 / 7.5 / 10.0

The Battery-Box HV is the first real high voltage battery that comes with a flexible and modular design with no cables inside. One Battery-Box HV contains 2 to 4 battery modules B-Plus H 2.5 in series connection and reaches up to 10.2 kWh usable capacity.



	Battery-Box H 5.0	Battery-Box H 7.5	Battery-Box H 10.0
Battery module	2 modules	B-Plus H 2.5 (2.56 kWh, 40 kg)	
Usable Energy <sup>[1]</sup>	5.12 kWh	7.68 kWh	10.24 kWh
Max Output Power	5.12 kW	7.68 kW	10.24 kW
Peak Output Power	7.17 kW, 10 s	10.75 kW, 10 s	14.34 kW, 10 s
Round-Trip Efficiency	≥95.3 % [1]		
Nominal Voltage	204 V	307 V	409 V
Operating Voltage Range	160~225 V	240~338 V	320~451 V
Communication	CAN / RS485		
Dimensions (W/H/D)	590 x 758 x 350 mm 23.22 x 29.84 x 13.78 inch	590 x 994 x 350 mm 23.72 x 39.13 x 13.78 inch	590 x 1230 x 350 mm 23.22 x 48.42 x 13.78 inch
Net Weight	99 kg	139 kg	179 kg
Ingress rating	IP55		
Installation Location	In door and Out door, Ground / Wall mounted <sup>[2]</sup>		
Warranty	10 years		
Operating temperature <sup>[3]</sup>	14 °F to 122 °F (-10 °C to +50°C)		
Certification & Safety Standard	UL1642 / UL1973 / FCC / UN38.3		
Compatible Inverters <sup>[4]</sup>	SMA SBS		
Application	ON Grid (Self consumption / Battery Backup / Backup)		

[1] Test conditions: 100% DOD, 0.2C charge & discharge at 77°F (+25°C). System Usable Energy may be variant with different inverter brands

[2] Wall mounted accessories are optional, will be available in Q1, 2019

[3] 14°F to 53.6°F (-10 °C to 12 °C) will be derating

[4] Detailed information refer to BYD Battery-Box Compatible Inverter List

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