



# BYD BATTERY-BOX

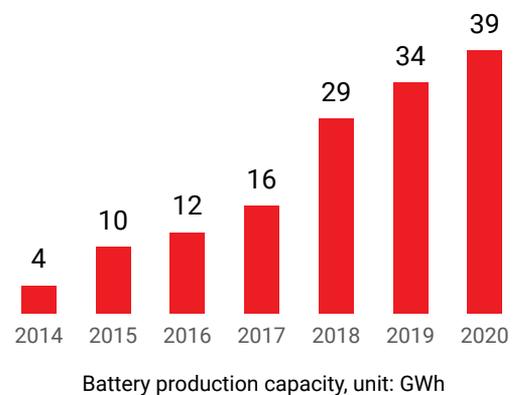
THE BATTERY FOR ALL APPLICATIONS





## 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.



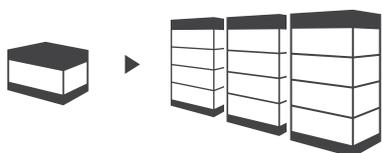
## Safety certification guarantee

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

# Battery-Box LV

The Battery-Box LV is a 48V battery with a flexible and modular design with no cables inside. One Battery-Box LV contains up to 4 battery modules B-Plus L 3.5 in parallel connection and achieves capacities between 3.5 and 14.0 kWh (usable).

By connecting up to 3 Battery-Box LV in parallel, the capacity can be chosen individually in 3.5 kWh steps from 3.5 kWh to a maximum of 42.0 kWh.



	Battery-Box L 3.5	Battery-Box L 7.0	Battery-Box L 10.5	Battery-Box L 14.0
	B-Plus L 3.5 (3.5 kWh)			
Battery module	1 module	2 modules	3 modules	4 modules
Usable Energy [1]	3.5 kWh	7.0 kWh	10.5 kWh	14.0 kWh
Max Output Power	3.0 kW	6.0 kW	9.0 kW	10.0 kW
Peak Output Power	5.0 kW, 10 s	10.0 kW, 10 s	15.0 kW, 10 s	15.0 kW, 10 s
Round-Trip Efficiency	≥95.3 % [1]			
Nominal Voltage	51.2 V			
Operating Voltage Range	40~59.2 V			
Communication	RS485 / CAN			
Dimensions (W/H/D)	620 x 475 x 320 mm	620 x 711 x 320 mm	620 x 947 x 320 mm	620 x 1183 x 320 mm
Weight	65 kg	108 kg	151 kg	194 kg
Enclosure Protection Rating	IP55			
Warranty	10 years			
Operating temperature [2]	-10 °C to +50°C			
Certification & Safety Standard	UN 38.3/ UL1642, is currently being certified: TUV(IEC62619) / CE / RCM / VDE2510 / Sicherheitsleitfaden			
Scalability	Max. 3 systems in parallel / 42 kWh			
Compatible Inverters	SMA / GOODWE / Victron / Sungrow / Selectronic, more brands to be announced			
Application	ON Grid / ON Grid + Backup (Refer to BYD Minimum Configuration List)			

[1] Test conditions: 100% DOD, 0.2C charge & discharge at + 25 °C

[2] -10 °C to 10 °C will be derating

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