



## **BYD BATTERY-BOX**

**THE BATTERY FOR ALL APPLICATIONS**

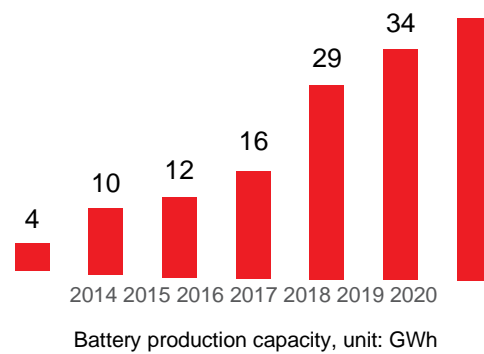




## ABOUT BYD

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.



# PRODUCTS

The BYD Battery-Box is a lithium battery unit with battery control unit (BCU) for usage with an external inverter. The flexible battery systems in the three versions: Battery-Box HV, Battery-Box LV and Battery-Box Pro provide maximum safety, lifetime and performance, which makes them the perfect batteries for all applications.



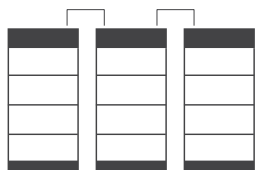
Battery-Box HV



Battery-Box LV



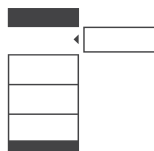
Battery-Box



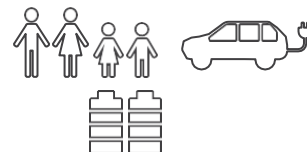
Wide



Always the perfect battery: Individual configuration for any application.



Flexible



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



High



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

# BATTERY-BOX PREMIUM LVL

- Scalable from 15.4 to 983 kWh
- Compatible with 1 and 3 Phase Inverters
- Cobalt Free Lithium Iron Phosphate (LFP) Battery: Maximum Safety, Life Cycle, and Power
- Capable of High-Powered Back-up and Off-Grid Function
- Space Saving via the Ability to Stack 2 Premium Batteries
- Add Additional Batteries in Parallel to Expand the System




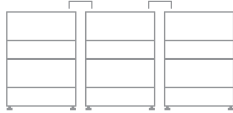


## BATTERY-BOX PREMIUM LVL

The BYD Battery-Box Premium LVL is a lithium iron phosphate (LFP) battery for use with an external inverter.

Thanks to its control and communication unit (BMU), the Battery-Box Premium LVL scales to meet the project requirements, no matter how large they may be. Start with Battery-Box Premium LVL15.4 (15.36 kWh) and extend later to 983 kWh using parallel interconnection of up to 64 batteries.



## FLEXIBLE, EFFICIENT, SIMPLE

 <p><b>Easy Installation</b> With Easy Transportation</p>	 <p><b>15.4 - 983 kWh</b> Tailored Sizing for Each Application</p>	 <p><b>Extend Anytime</b> Easily Adapts to New Requirements</p>	 <p><b>High Power</b> Power for Every Application</p>
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## TECHNICAL PARAMETERS PREMIUM LVL



### LVL15.4

Number of Modules	2
Usable Energy [1]	15.36 kWh
Max Cont. Output Current [2]	250 A
Peak Output Current [2]	375 A, 5 s
Dimensions (H/W/D)	500 x 575 x 650 mm
Weight	164 kg
Nominal Voltage	51.2 V
Operating Voltage	40-59 V
Operating Temperature	-10 °C to +50°C
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)
Communication	CAN/RS485
Enclosure Protection Rating	IP20
Round-trip Efficiency	≥95%
Scalability	Max. 64 in Parallel (983 kWh)
Certification	IEC62619 / CE / CEC / UN38.3
Applications	ON Grid / ON Grid + Backup / OFF Grid
Warranty [3]	10 Years
Compatible Inverters	Refer to BYD Battery-Box Premium Inverter Compatible List and Minimum Configuration List

[1] DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at + 25 °C. System Usable Energy may vary with different inverter brands

[2] Charge/discharge derating will occur between -10 °C and +5 °C

[3] Conditions apply. Refer to BYD Battery-Box Premium Limited Warranty Letter.

