## **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.

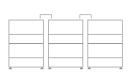
Thanks to its control and communication unit (BMU), the Battery-Box Premium LVL scales to meet the project requirements, no matter how large they may be. Start with Battery-Box Premium LVL15.4 (15.36 kWh) and extend later to 983 kWh using parallel interconnection of up to 64 batteries.



## FLEXIBLE, EFFICIENT, SIMPLE



**Easy Installation**With Easy Transportation



**15.4 - 983 kWh**Tailored Sizing for Each
Application



**Extend Anytime**Easily Adapts to New
Requirements



**High Power**Power for Every Application



## 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 650 x 575 mm	
Weight	164 kg	
Nominal Voltage	51.2 V	
Operating Voltage	40-57.6 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 LVL Minimum Configuration List	

<sup>[1]</sup> 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 derating will occur between -10 °C and +5 °C [3] Conditions apply. Refer to BYD Battery-Box Premium Limited Warranty Letter.