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 at Anytime to Expand System

BATTERY-BOX PREMIUM LVL

The BYD Battery-Box Premium LVL is a lithium iron phosphate (LFP) battery for use with an external inverter.
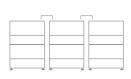
Thanks to its control and communication port (BMU), the Battery-Box Premium LVL scales to meet the project requirements, no matter how large they may be. Start with Battery-Box Premium LVL15.4 (15.36 kWh) and extend anytime to 983 kWh using parallel interconnection of up to 64 batteries.

LVL15.4   2 x LVL15.4   64 x LVL15.4

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

BYD

BATTERY BOX

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 [2]	375 A, 10s
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
Application	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.