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.



BYD



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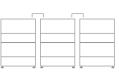
PREMIUM

64 x LVL15.4

FLEXIBLE, EFFICIENT, SIMPLE

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Easy Installation With Easy Transportation



15.4 - 983 kWh Tailored Sizing for Each Application

Extend Anytime Easily Adapts to New Requirements



V1.2

High Power Power for Every Application



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TECHNICAL PARAMETERS PREMIUM LVL

	LVL15.4
Number of Modules	2
Usable Energy [1]	15.36 kWh
Max Cont. Output Charge/Discharge 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
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

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



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V1.2