

# 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 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 derating will occur between -10 °C and +5 °C

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



BYD Company Limited  
[www.byd.com/energy](http://www.byd.com/energy)  
 Global Sales: [batteryboxgrp@byd.com](mailto:batteryboxgrp@byd.com)  
 Global Service: [bboxservice@byd.com](mailto:bboxservice@byd.com)

Battery-Box EU Service Partner  
 EFT-Systems GmbH  
[www.eft-systems.de](http://www.eft-systems.de)  
[info@eft-systems.de](mailto:info@eft-systems.de)

Battery-Box AU Service Partner  
 Alps Power Pty Ltd  
[www.alppower.com.au](http://www.alppower.com.au)  
[service@alppower.com.au](mailto:service@alppower.com.au)

Battery-Box US Service Partner  
 EFT-Systems GmbH  
[www.eft-systems.de/us](http://www.eft-systems.de/us)  
[USservice@eft-systems.de](mailto:USservice@eft-systems.de)

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