# 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.

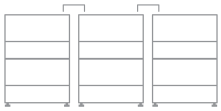


LVL15.4 | 2 x LVL15.4 | 64 x LVL15.4

## 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

## 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.