

# BATTERY-BOX PREMIUM LVS LITE ON GRID ONLY

- Scalable from 4 kWh to 32 kWh
- Maximum Flexibility for any Application with up to 8 Modules Connected in Parallel
- Compatible with Market Leading 1 and 3 Phase Inverters
- Cobalt Free Lithium Iron Phosphate (LFP) Battery: Maximum Safety, Life Cycle and Power
- Capable of High-Powered Emergency-Backup Function
- Patented Internal Plug Design Requires No Additional Wiring
- Self-Consumption Optimization for Residential and Commercial Applications



## BATTERY-BOX PREMIUM LVS LITE

- 4 kWh Module
- Modular Design Simplifies Transport and Installation

The BYD Battery-Box Premium LVS LITE is a lithium iron phosphate (LFP) battery pack for use with an external inverter. A single Battery-Box Premium LVS Lite contains between 1 to 4 battery modules LVS Lite stacked in parallel and can reach 4 to 16.0 kWh usable capacity in one tower:

- Battery-Box LVS Lite 4.0 (4 kWh)
- Battery-Box LVS Lite 8.0 (8 kWh)
- Battery-Box LVS Lite 12.0 (12 kWh)
- Battery-Box LVS Lite 16.0 (16 kWh)

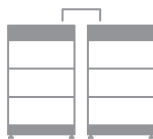
Connect up 2 Battery-Box LVS Lite 16.0 in parallel for a maximum size of 32 kWh. Ability to scale by adding LVS Lite modules or parallel towers of 1 to 4 modules later.



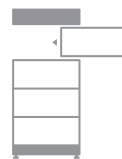
## FLEXIBLE, EFFICIENT, SIMPLE



**Internal Plug Connection**  
No Additional Wiring Required



**4 - 32 kWh**  
Tailored Sizing for Each Application

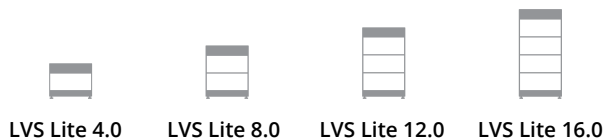


**Extend Anytime**  
Easily Adapts to New Requirements



**High Power**  
Power for Every Application

## TECHNICAL PARAMETERS **PREMIUM LVS LITE**



	LVS Lite 4.0	LVS Lite 8.0	LVS Lite 12.0	LVS Lite 16.0
Battery Module	LVS Lite (4 kWh, 51.2 V, 45 kg)			
Number of Modules	1	2	3	4
Usable Energy [1]	4 kWh	8 kWh	12 kWh	16 kWh
Max Cont. Output Current [2]	50 A	100 A	150 A	200 A
Peak Output Current [2]	75 A, 5 s	150 A, 5 s	225 A, 5 s	300 A, 5 s
Dimensions (H/W/D)	528 x 650 x 298 mm	761 x 650 x 298 mm	994 x 650 x 298 mm	1227 x 650 x 298 mm
Weight	64 kg	109 kg	154 kg	199 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	IP55			
Round-Trip Efficiency	≥95%			
Scalability	Max. 8 Modules in Parallel (32 kWh)			
Certification	IEC62619 / UN38.3			
Applications	ON Grid / ON Grid + Backup			
Warranty [3]	10 Years			
Compatible Inverters	Refer to BYD Battery-Box Premium LVS Lite 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.

