

BATTERY-BOX PREMIUM LVS LITE



- Scalable from 4 kWh to 32 kWh
- Maximum Flexibility for any Application with up to 8 Modules Connected in Parallel
- Compatible with Market Leading 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 Applications

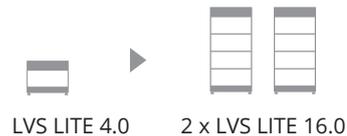
BATTERY-BOX PREMIUM LVS LITE

- 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)

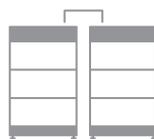
Connect up to 2 Battery-Box LVS Lite 16.0 in parallel for a maximum size of 32 kWh. Ability to scale by adding LVS Lite modules or parallel towers of 1 to 4 modules.



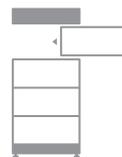
FLEXIBLE, EFFICIENT, SIMPLE



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	43.2-57.6 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 [3]	Max. 8 Modules in Parallel (32 kWh)			
Certification	IEC 62040/ IEC 62619 / UN38.3			
Applications	ON Grid / ON Grid + Backup			
Warranty [4]	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 due to system configuration parameters.

[2] Charge derating will occur between -10 °C and +5 °C

[3] Parallel tower function only available for 1 to 4 battery modules per tower.

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