

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

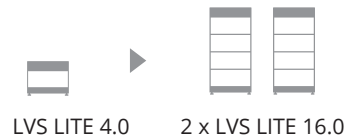
BATTERY-BOX PREMIUM LVS LITE

- 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)

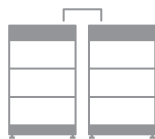
Connect up to 2 Battery-Box LVS Lite 16.0 in parallel for a maximum size of 32 kWh. Ability to scale by adding LVS Lite modules or parallel towers of 1 to 4 modules.



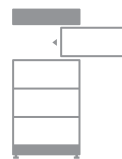
FLEXIBLE, EFFICIENT, SIMPLE



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







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Battery-Box AU Service Partner
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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 / RS485			
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.

