

BATTERY-BOX PREMIUM LVS

- Scalable from 3.8 kWh to 245.8 kWh
- Maximum Flexibility for any Application with up to 64 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 and Off-Grid Function
- Patented Internal Plug Design Requires No Additional Wiring
- Self-Consumption Optimization for Residential and Commercial Applications



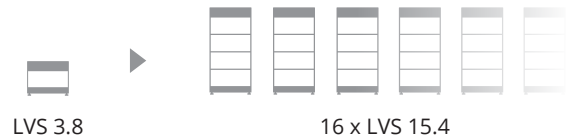
BATTERY-BOX PREMIUM LVS

- 3.84 kWh Module
- Modular Design Simplifies Transport and Installation

The BYD Battery-Box Premium LVS is a lithium iron phosphate (LFP) battery pack for use with an external inverter. A single Battery-Box Premium LVS contains between 1 to 6 battery modules LVS stacked in parallel and can reach 3.84 to 23.0 kWh usable capacity in one tower:

- Battery-Box LVS 3.8 (3.84 kWh)
- Battery-Box LVS 7.7 (7.68 kWh)
- Battery-Box LVS 11.5 (11.52 kWh)
- Battery-Box LVS 15.4 (15.36 kWh)
- Battery-Box LVS 19.2 (19.20 kWh - single tower only)
- Battery-Box LVS 23.0 (23.04 kWh - single tower only)

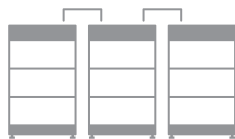
Connect up to 16 Battery-Box LVS 15.4 in parallel for a maximum size of 245.8 kWh. Ability to scale by adding LVS modules or parallel towers of 1 to 4 modules later.



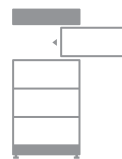
FLEXIBLE, EFFICIENT, SIMPLE



Internal Plug Connection
No Additional Wiring Required



3.8 - 245.8 kWh
Tailored Sizing for Each Application

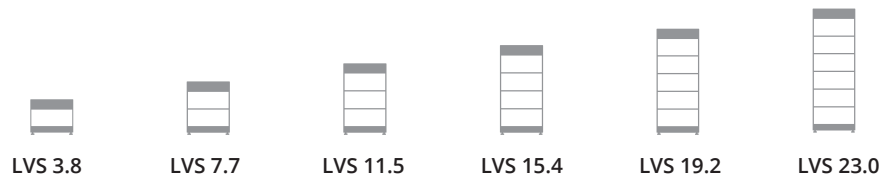


Extend Anytime
Easily Adapts to New Requirements



High Power
Power for Every Application

TECHNICAL PARAMETERS PREMIUM LVS



	LVS 3.8	LVS 7.7	LVS 11.5	LVS 15.4	LVS 19.2	LVS 23.0
Battery Module	LVS (3.84 kWh, 51.2 V, 42 kg)					
Number of Modules	1	2	3	4	5	6
Usable Energy [1]	3.84 kWh	7.68 kWh	11.52 kWh	15.36 kWh	19.20 kWh	23.04 kWh
Max Cont. Output Current [2]	65 A	130 A	195 A	250 A	250 A	250 A
Peak Output Current [2]	90 A, 5 s	180 A, 5 s	270 A, 5 s	360 A, 5 s	360 A, 5 s	360 A, 5 s
Dimensions (H/W/D)	457 x 640 x 298 mm	690 x 640 x 298 mm	923 x 640 x 298 mm	1156 x 640 x 298 mm	1389 x 640 x 298 mm	1622 x 640 x 298 mm
Weight	52 kg	94 kg	136 kg	178 kg	220 kg	262 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	IP55					
Round-Trip Efficiency	≥95%					
Scalability [3]	Max. 64 Modules in Parallel (245.8 kWh)				Single Tower Only	
Certification	VDE2510-50 / IEC62619 / CE / CEC / UN38.3					
Applications	ON Grid / ON Grid + Backup / OFF Grid					
Warranty [4]	10 Years					
Compatible Inverters	Refer to BYD Battery-Box Premium LVS 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] Parallel tower function only available for 1 to 4 battery modules per tower. LVS 19.2 and LVS 23.0 can only be used as a single tower.

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

