

# 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



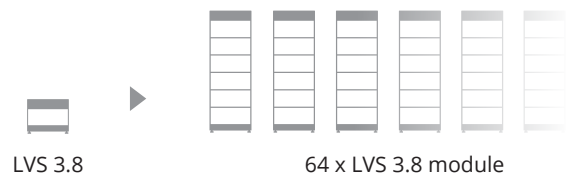
## BATTERY-BOX PREMIUM LVS

- 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 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:

- 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)
- Battery-Box LVS 23.0 (23.04 kWh)

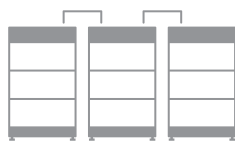
Connect up to 64 Battery-Box LVS modules in parallel stacks for a maximum size of 245.8 kWh. Ability to scale by adding LVS modules or parallel stacks later.



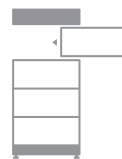
## FLEXIBLE, EFFICIENT, SIMPLE



**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	Max. 64 Modules in Parallel (245.8 kWh)					
Certification	VDE2510-50 / 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/discharge derating will occur between -10 °C and +5 °C

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

