



Battery  
Box

# BATTERYBOX PREMIUM LVS



## KEY FEATURES



### Safety

LFP cells developed in-house  
Proven in millions of EVs



### Reliability

LFP expertise since 2002  
1M+ systems in 100+ countries



### High Performance

High power in on-grid / off-grid /  
backup scenarios



### Flexibility

Modular design  
Expandable anytime



### Easy Installation

Patented internal plug connection  
Quick set-up



### Perfect Compatibility

Compatible with leading single  
& three phase inverters

## BATTERYBOX PREMIUM LVS



LVS 4.0

LVS 24.0



LVS 4.0

LVS 16.0



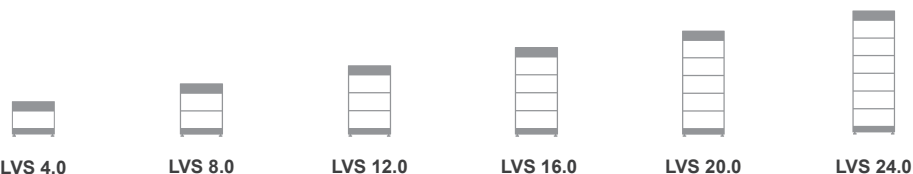
16 x LVS 16.0

Maximum capacity of

# 256 kWh



# TECHNICAL PARAMETERS PREMIUM LVS



## PERFORMANCE

Battery Module	LVS (4 kWh, 51.2 V, 45 kg)					
Number of Modules	1	2	3	4	5	6
Usable Energy <sup>[1]</sup>	4 kWh	8 kWh	12 kWh	16 kWh	20 kWh	24 kWh
Max Cont. Output Current <sup>[2]</sup>	65 A	130 A	195 A	250 A	250 A	250 A
Peak Output Current <sup>[2]</sup>	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)	528 x 650 x 298 mm	761 X 650 x 298 mm	994 x 650 x 298 mm	1227 x 650 x 298 mm	1460 x 650 x 298 mm	1693 x 650 x 298 mm
Weight	64 kg	109 kg	154 kg	199 kg	244 kg	289 kg

## GENERAL DATA

Nominal Voltage	51.2 V	
Operating Voltage	40 - 57.6 V	
Operating Temperature	-10°C to +50°C	
Battery Type	Lithium Iron Phosphate (LiFePO4)	
Communication	CAN	
Protection Rating	IP55	
Round-Trip Efficiency	≥ 95%	
Environment	Indoor / Outdoor	
Mounting Method	Floor Stand	
Scalability <sup>[3]</sup>	Max. 64 Modules in Parallel (256 kWh)	Single Tower Only
Certification	VDE2510-50 / IEC62619 / CE / CEC / UN38.3	
Applications	ON Grid / ON Grid + Backup / OFF Grid	
Compatible Inverters		
Warranty <sup>[4]</sup>	10 Years	

[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 20.0 and LVS 24.0 can only be used as a single tower.

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