

HIGH VOLTAGE RESIDENTIAL LIFEPO4 ENERGY STORAGE BATTERY

zecoex



Safe & Reliable

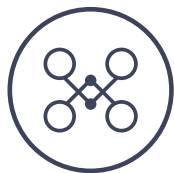
BYD vehicle grade (LFP) battery:

More safety, longer life cycle, more usable energy
life up to 10 years

Applicable for residential and
commercial system applications.

Flexible scalable from 12KWh to 24 kWh

Optimization of high-powered emergency-backup
and off-grid function.



Flexible

High-voltage LiFePO4 battery
module, single module is 51.2V 50Ah.
Stackable design • Easy installation.



Perfect Compatibility

Matching with leading inverter brands.

Compatible with CAN / RS485
communication interface.

Applicable on hybrid
and off-grid solar energy storage system.

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Model	ZECO-1024BD-HVG3	ZECO-1536BD-HVG3	ZECO-2048BD-HVG3
Performance			
Battery type	lithium-iron phosphate (LiFePO4)		
Nominal Battery Energy(KWH)	10.24KWH	15.36KWH	20.48KWH
Nominal Capacity(AH)	50AH	50AH	50AH
Nominal Voltage(V)	204.8V	307.2V	409.6V
Operating Voltage Range(V)	172.8V ~ 224.64V	259.2V ~ 345.6V	345.6 ~ 460.8V
Number of battery Modules	4	6	8
MAX. constant charging current(A)	50A (@ 25°C)		
Recommend charge current(A)	10~25A		
Max.constant discharging current(A)	50A (@ 25°C)		
Depth of discharge(DOD)	80%		
Cell technology	BYD Lithium-iron phosphate (LiFePO4)		
Design life	>6000 times @80%DOD		
Warranty	5 years		
Warranty Document Supplied	Yes		
Protection function			
Protection	Over-temperature, over charge, under-voltage, over-current, short circuit alarm Function		
Display and Communication			
Display	The information of Battery, such as SOC, battery voltage and so on		
Communication	CAN/RS485		
General Specification			
Dimension (H*W*D)	600*210*1140MM	600*210*1300MM	600*210*1620MM
Weight(KG)	155.5KG	182KG	235KG
Operating Temperature	-20°C~+55°C		
Max. operating altitude	4,000m(Derating above 2,000m)		
Protection degree	IP21, indoor installation		
Relative humidity	5%-95%		
Cooling	Natural convection		
Noise emission	<29 dB		
Certification	TUV/CE/IEC/UN38.3/UL1973....		