

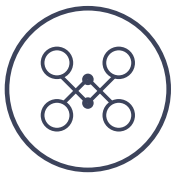
HIGH VOLTAGE RESIDENTIAL LIFEPO4 ENERGY STORAGE BATTERY

zeco**EX**



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 120Ah.
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.

HIGH VOLTAGE RESIDENTIAL LIFEPO4 ENERGY STORAGE BATTERY



Model	ZECO-1228BC-HVG2	ZECO-1843BC-HVG2	ZECO-2457BC-HVG2
Performance			
Battery type	lithium-iron phosphate (LiFePO4)		
Nominal Battery Energy(KWH)	12.288KWH	18.432KWH	24.576KWH
Nominal Capacity(AH)	120AH	120AH	120AH
Nominal Voltage(V)	102.4V	153.6V	204.8V
Operating Voltage Range(V)	86.4V-115.2V	129.6V-172.8V	172.8V-230.4V
Module Number	2	3	4
Standard charging current(A)	30A@25°C		
Max.constant charging current(A)	120A@25°C		
Standard discharging current(A)	60A@25°C		
Max. discharging current(A)	120A@25°C		
Cell technology	BYD Blade Lithium-iron phosphate (LiFePO4)		
Depth of discharge(DOD)	80%		
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 soon		
Communication	CAN/RS485		
General Specification			
Dimension(H*W*D)	1171*179*600MM	1171*179*900MM	1171*179*1200MM
Weight(KG)	118KG	165KG	215KG
Installation	3.20~3.30V/CELL		
Shipping status SOS	20%~30%		
Charging Temperature	-20~+55°C		
Discharging Temperature	-30~+60°C		
Short term storage ambient temperature	-20~+35°C (<3months, 20~60% SOC)		
Long term storage ambient temperature	-20~+30°C (<1year, 30~60% SOC)		
Max. operating altitude	4000m(Derating above 2.000m)		
Protection degree	IP21, indoorinstallation		
Relative Humidity	5%-95%		
Cooling	Natural convection		
Noise emission	<29dB		
Certificate	TUV/CE/IEC/UN38.3/UL1973		