



Wall – Mounted

Datasheet Residential BESS

Intelligent

Bluetooth and Wifi

Safety

Multi-protection from self developed BMS

Easy to Scale Up

Be workable to be parallel based on 51.2V

Efficient Power Cost

Long cycle life and superior performance

PERFORMANCE SPECIFICATIONS			
Model	HZEB – LCT – 5	HZEB – LCT – 10	HZEB – LCT – 16
Nominal Voltage	51.2V	51.2V	51.2V
Cell model/Configuration	3.2V100Ah/16S1P	3.2V206Ah/16S1P	3.2V314Ah/16S1P
Capacity(Ah)	100Ah	206Ah	314Ah
Rated Energy(kWh)	5.12kWh	10.55kWh	16.08kWh
Max.Charge/Discharge Current(A)	100A	100A	150A
Voltage Range(V)	44.8~57.6V		
Scalability	Up to 15 parallel		
Communication	CAN/RS485		
Cycle Life	≥6000Cycles@25°C, 80%DOD	≥6000Cycles@25°C, 80%DOD	≥8000Cycles@25°C, 80%DOD
Design Life	≥15Years(25°C)		
MECHANICAL SPECIFICATIONS			
Weight(kg)	55kg	98kg	128kg
Dimension(L/W/H)(mm)	400*204*700mm	460*288*640mm	460*288*800mm
Installation Mode	Wall Mounnted		
IP Grade	IP54		
SECURITY AND CERTIFICATION			
Safety(Pack)	UN38.3,MSDS,IEC62619(CB),CE-EMC		
Safety(Cell)	UN38.3,MSDS,IEC62619,CE,UL1973,UL2054		
Protection	BMS		
ENVIRONMENTAL SPECIFICATIONS			
Operating Temperature(°C)	Charge 0°C~50°C; Discharge -10°C~-50°C		
Altitude(m)	≤2000m		
Humidity	≤90% (Non-condensing)		

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- High-security technology ensures stable and excellent performance
- Compatible with multiple inverters including Sungrow DEYE Solis Growatt Voltronic
- It provides highly efficient energy solutions for household scenarios and small commercial scenarios