



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



MODULE INTRODUCTION

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 Mounted		
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