



Rack Mounted Energy Storage Battery

Compatibility

Tier 1 Inverter Compatibility

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-HCT-5/5S	HZEB-HCT-5/6S	HZEB-HCT-5/7S	HZEB-HCT-5/8S	HZEB-HCT-5/9S	HZEB-HCT-5/10S
Nominal Voltage	256V	307.2V	358.4V	409.6V	460.8V	512V
Cell model/Configuration	3.2V100Ah/16S1P					
Capacity(Ah) Cell	100Ah					
Rated Energy(kWh)	25.60kWh	30.72kWh	35.84kWh	40.96kWh	46.08kWh	51.2kWh
Max.Charge/Discharge Current(A)	50A/100A(For customization)					
Voltage Range(V)	224~288V	268.8~345.6V	313.6~403.2V	358.4~460.8V	403.2~518.4V	448~576V
Scalability	10 parallel(For customization)					
Communication	Modbus RTU					
Cycle Life	≥6000Cycles@25°C, 80%DOD					
Design Life	≥15Years(25°C)					
Mechanical Specifications						
Weight(kg)	360kg	426kg	492kg	551kg	614kg	673kg
Dimension(L/W/H)(mm)	1012*623*708mm	1012*623*885mm	1012*623*885mm	1012*623*1062mm	1012*623*1062mm	1012*623*1245mm
Installation Mode	On the ground					
IP Grade	IP20					
Security and Certification						
Safety(Pack)	UN38.3,MSDS,IEC62619(CB),CE-EMC					
Safety(Cell)	UN38.3,MSDS,IEC62619,CE,UL1973,UL2054					
Protection	BMS,Breaker					
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