

Energy storage battery PowerFly 6.0

Wall-mounted / ground-mounted

5kWh/10kWh
16kWh/20kWh



Features



Smart Management

- Remote fault diagnosis, upgrade and maintenance
- OCV intelligent algorithm calibration ensures SOC accuracy



Assured Reliability

- High class of safety with built-in BMS protection.
- IP54 protection degree



High Performance

- Big capacity with small volume for household.
- Cycle life > 8000 cycles



Flexible Adaptability

- Quick and easy installation
- Modular design, expandable to 15 units in parallel

PERFORMANCE SPECIFICATIONS

Model	HZEB-LCT-5	HZEB-LCT-10	HZEB-LCT-16	HZEB-LCT-20
Battery Type	LiFePO ₄			
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Configuration	3.2V100Ah/16S1P	3.2V206Ah/16S1P	3.2V314Ah/16S1P	3.2V205Ah/16S2P
Capacity(Ah)	100Ah	206Ah	314Ah	410Ah
Nominal Energy(kWh)	5.12kWh	10.55kWh	16.08kWh	20.992kWh
Usable Energy(kWh@80%DOD) ^[1]	4.61kWh	9.49kWh	14.47kWh	18.89kWh
Max.Charge/Discharge Current(A) ^[2]	100A	100A	150A	200A
Voltage Range(V)	44.8~57.6V			
Scalability	Up to 15 units in parallel			
Communication Interface	CAN;RS485			
Cycle Life (@25°C,80%DOD) ^[3]	≥6000Cycles	≥6000Cycles	≥8000Cycles	≥6000Cycles
Warranty Period ^[4]	5+5 years			
Cumulative Discharge Energy	8.2MWh	16.9MWh	25.8MWh	33.7MWh
PERFORMANCE SPECIFICATIONS				
Weight(kg)	59kg	83.5kg	127kg	180kg
Dimension(W*D*H)	400*160*700mm	460*245*640mm	460*245*800mm	650*265*850mm
Installation Method	Wall/Ground Mounted(20kWh battery ground-mounted only)			
IP Rating	IP54	IP54	IP54	IP21
SECURITY AND CERTIFICATION				
Safety(Pack)	UN38.3,MSDS,IEC62619(CB),CE-EMC,IEC63056			UN38.3,MSDS
Safety(Cell)	UN38.3,MSDS,IEC62619,CE,UL1973,UL2054			
Protection	BMS	BMS	BMS	BMS and breaker
ENVIRONMENTAL SPECIFICATIONS				
Operating Temperature Range(°C)	Charge 0°C~55°C;Discharge -20°C~55°C			
Altitude(m)	≤2000m			
Humidity	≤90%(Non-condensing)			

[1] DC usable energy,test conditions: 25°C±2°C,0.5C charge & discharge,80% DOD.System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

[3] Battery cell life standard, using cells that meet the requirements of this standard.

[4] Conditions apply,refer to Warranty Agreement.

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