

HEMERA

Containerized Liquid Cooling Battery System

HBAT-5015/4180/3762/3344-104S
(5015/4180/3762/3344kWh)

HBAT-5160
(5160kWh)



Comprehensive Safety

- Highly stable LFP battery cells
- Multi-level fire protection and explosion-proof design
- Intelligent monitoring, second-level response

Stable Operation

- Liquid cooling, cell temperature difference < 3°C
- Cluster-level management, eliminating the barrel effect
- Wide voltage adaptation, weak grid support

Ultimate Energy Efficiency

- High energy density, reduced footprint
- DC efficiency $\geq 94\%$
- AI strategy for maximizing revenue

Easy Deployment

- Flexible configuration, adaptable to multiple scenarios
- Plug and play, deployment cycle shortened by 40%
- Cloud-based O&M, efficiency improved by 50%

Model	HBAT-5015-104S	HBAT-4180-104S	HBAT-3762-104S	HBAT-3344-104S
Battery Parameters				
Cell Type	LFP-3.2V-314Ah			
Nominal Capacity	5015kWh	4180kWh	3762kWh	3344kWh
Nominal DC Voltage	1331.2V			
DC Voltage Range	1165V~1497V			
Charge/Discharge Rate(C-rate)	≤0.5CP			
Maximum Charge	2500kW			
Operating Temperature	Charging: 0°C~60°C; Discharging: -30°C~60°C			
Recommended Ambient Temperature	25±10			
Cycle Life	≥6000 cycles (25±10°C, 100%DOD, 80%EOL)			
Cooling Method	liquid cooling			
System Parameters				
Auxiliary Power Parameters	38kW-400V/50Hz, 3N+PE			
Fire Protection System	Aerosol + water fire fighting			
Corrosion Protection Level	C4 (C5 optional)			
Lightning Protection Level	Level II			
Ingress Protection (IP) Rating	IP54			
Operating Temperature Range	-20°C to +50°C, derated at >45°C			
Storage Temperature	-20°C~ +35°C, <6 months			
Operating Humidity Range	0~95%RH, no condensation			
Installation Method	outdoor installation			
Operating Conditions	2 charge, 2 discharge			
System Communication Interface	CAN/Ethernet/RS485			
External System Communication Protocol	Modbus TCP/IEC61850			
Altitude	≤3000m			
Dimensions(W*D*H)	6058(W)*2438(D)*2896(H)mm			
Weight	42T	36T	33T	30T
Certifications	IEC62619/IEC61000/IEC62477/UN38.3			
Model	HBAT-5160			
Cell Type	LFP-350Ah			
Cycle Life	≥6000 cycles (25±10°C, 100%DOD, 80%EOL)			
Dimensions(W*D*H)	6058(W)*2438(D)*3100(H)mm			
Weight	43T			
Cell Configuration	1P384S*12			
Energy Output(Max.)	5160kWh			
Nominal Voltage	1228.80			
Charge/Discharge Rate	≤0.5P			
Protection Level	IP55			
Corrosion Resistance Level	C4/C5			
Pollution Resistance Level	II			
Operating Altitude	<3000m(derated at 4000m)			
Temperature Range	-30°C~55°C			
Humidity Range	0~95%, no condensation			
Certifications	IEC/GB/UN38.3			