

5MWh Battery Container

Liquid Cooling Commercial & Industrial Container ESS

- Module-level fire protection with partitioned safety isolation within the cabin
- Flexible deployment and scalable expansion
- Modular design enhances operational efficiency and reduces fault impact areas
- Comprehensive dynamic thermal management
- String architecture enables 100% depth of discharge (DOD) for both charging and discharging
- Elimination of DC circulating currents between clusters, increasing system usable capacity by 15% and improving efficiency by 2%

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Battery Data

Model	SKTESS5000
Battery Type	LiFePO4
Cell Capacity	314Ah
Battery Configuration	12P416S
Nominal Energy	5015.961kWh
Rated Voltage	1331.2V
Operating Voltage Range	1164.8~1497.6V
Max.Charge And Discharge Rate	0.5P@25°C
Battery System Cycle Efficiency	≥93.5% (FAT Standard)

System Data

Dimensions (W × D × H)	6058 × 2438 × 2896mm
Net Weight	42.5T
Ingress Protection	IP55
Noise Emission	≤85dB
Operating Altitude	≤2000m
Cooling	Forced Liquid Cooling
Coolant	50% ethylene glycol in water
Fire Extinguishing System	Aerosol Fire Protection System
Corrosion-proof Grade	C4
Communication Mode	Modbus-TCP / IEC61850 / IEC104

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Specifications are subject to change without further notification
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