



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%



Battery Data

Model	SKTESS5000
Battery Type	LiFePO4
Cell Capacity	314Ah
Battery Configuration	1P1248S*4
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