

Containerized Battery Energy Storage System

Key Strengths

High Integration:

5.015MWh per container with 45% higher energy density, modular containers reduce land use by 35% in 100MWh projects.

High Safety:

Pack-Level Automatic Fire Suppression System, Double-Layer Flame-Retardant and Explosion-Proof Design, IP54 High-Protection and High-Weather-Resistance Design.

High Intelligence:

Modular Architecture, Standardized Interfaces, Support for Multi-Unit Parallel Operation, and Intelligent Flexible Power Response.

Long Lifespan:

Liquid Cooling with 30% Lower Power Consumption, System Temperature Difference Within 3°C, Extending Cell Life by 10%.



Basic Parameters

Model	RSESS3727		RSESS5000
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DC Parameter

Cell type	LFP3.2V/280Ah		LFP3.2V/314Ah
Rated capacity(kWh)	3727		5015
Composing form	1P52S*8*10		1P52S*8*12
Rated charge/discharge current(A)	1400		1884
Max direct voltage(V)	1500		
Nominal voltage(V)	1331.2		
Operating voltage range(V)	1164~1497		
Cooling mode	Liquid cooling		
Firefighting system	Perfluorohexanone/Aerosol+Water sprinkler system		

General data

Maximum charging power(kW)	1863.6(0.5P)		2507.9(0.5P)
System cycle life	≥6000times@25°C,0.5C		
Noise emission (dB)	≤70		
Operating altitude (m)	≤2000m		
Communication method	RS485、CAN、LAN		
Size(W*D*H)	6058*2438*2896mm		
Weight(T)	≈44		
IP rating	IP54		
Storage temperature(°C)	-30~60		
Operating temperature(°C)	-30~55		
Relative humidity	5%~95% (non-condensing)		

