

C&I ESS Cabinet

Key Strengths

High Integration:

Cabinet integrates Battery, BMS, PCS, EMS, Thermal Management System, Fire Protection System, etc., with a footprint of less than 1.5m².

High Intelligence:

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

High Safety:

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

Long Lifespan:

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



Basic Parameters

Model	RSESS0233		RSESS0261
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DC Parameter

Cell type	LFP3.2V/280Ah		LFP3.2V/314Ah
Rated capacity(kWh)	232.960		261.248
Composing form	1P52S*5		1P52S*5
Rated charge/discharge current(A)	140		157
Max direct voltage(V)	1000		1000
Operating voltage range(V)	728~936		728~936
Cooling mode	Liquid cooling		Liquid cooling
Firefighting system	Aerosol		Aerosol

AC Parameter

Rated output power(kW)	110		125
MAX output power(kW)	121		137
Rated alternating current(A)	159		180
Output voltage(V)	400		
Voltage range (V)	320~460		
Rated frequency (Hz)	50/60		
Frequency range (Hz)	45~55/55~65		
THDi	<3%		
Power factor	1leading-1lagging(settable)		

General data

System efficiency	≥88%		
System cycle life	≥6000times@25°C,0.5C		
Rated charge/discharge rate	0.5P@25°C		
Noise emission (dB)	≤70		
Operating altitude (m)	≤4000m (derated above 2000m)		
Communication method	RS485、CAN、LAN		
Size(W*D*H)	1120*1350*2450mm		
Weight(T)	≈2.6		
IP rating	IP54		
Storage temperature(°C)	-30~60		
Operating temperature(°C)	-30~50		
Relative humidity	5%~95% (non-condensing)		



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