

Celestial Energy-835kWh/690/800VAC-0.5C

COSPOWERS

Application Field:

- Peak shaving, valley filling, and output smoothing for renewable energy stations (wind and solar);
- Grid-side frequency regulation, peak shaving, and distribution network transformer capacity expansion;
- Peak-valley arbitrage and backup power for customer-side C&I commercial and industrial energy storage.



Modular and standardized design



Multi-level protection system



Integrated AC/DC system for efficient installation and commissioning



Intelligent operation and maintenance

Parameters/ Model		Celestial Energy-835kWh/800VAC-0.5C	
DC side Parameters	Cell Capacity	314Ah-LFP	
	Module Configuration	1P104S	
	Number of Modules per Rack	4pcs	
	Number of Battery Racks	2pcs	
	Battery System Energy	835kWh	
	Voltage Range	1144~1497.6V	
AC side Parameters	Rated AC Power	2*215kW	
	Rated Grid Voltage	AC690V	AC800V
	Wiring Configuration	3W+PE	
	Rated Grid Frequency	50/60Hz	
	Isolation Method	No Isolation Transformer	
System level Parameters	Operating Temperature	-30~55°C	
	Ambient Humidity	0~95% (No Condensation)	
	Operating Altitude	2000m	
	Communication Method	Ethernet, RS485, optional 4G/5G mobile communication	
	Protection Level	IP54	
	Cooling Method	Liquid Cooling	
	Noise Level	≤75dB	
	Fire Protection	Aerosol Fire Suppression + Water Fire Protection + Combustible Gas Detection + Explosion-Proof Ventilation System	
	Dimensions (W*D*H)	1800*2460*2490mm	
	Weight	8.1t	
Compliance Standards	Cluster	IEC62619、UL1973、UL9540A、UN38.3	
	PCS	UL1741、EN50549、VDE4110、VDE4120、VDE4130、GB/T34120、GB/T36547...	



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