

Celestial Energy-2089-0.5C

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-2089-0.5C
DC side Parameters	Cell Capacity	314Ah-LFP
	Module Configuration	1P52S
	Number of Modules per Rack	4pcs
	Number of Battery Racks	10pcs
	Battery System Energy	2089kWh
	Voltage Range	582.4~738.4V
AC side Parameters	Rated AC Power	2*500kW
	Rated Grid Voltage	AC400V
	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	Heptafluoropropane/Perfluoroketon Enclosure-level/Aerosol + Water Fire Protection, Combustible Gas Detection, and Explosion-Proof Ventilation System
	Dimensions (W*D*H)	6058*2438*2896mm
	Weight	25t
Compliance Standards	Cluster	IEC62619、UL1973、UL9540A、UN38.3
	PCS	UL1741、EN50549、VDE4110、VDE4120、VDE4130、GB/T34120、GB/T36547...



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