

Celestial Energy-5015-0.5C

COSPOWERS

Application Field

- Post-meter electricity market, peak-valley arbitrage and backup power supply of C&I (commercial and industrial) energy storage on the customer side.
- Peak shaving and valley filling for smooth output of wind and solar new energy power stations.
- Grid frequency regulation and peak load regulation in the pre-meter electricity market, as well as capacity expansion of distribution network transformers.



Modular Standard Design



Multiple Protection Systems



Efficient Installation and Commissioning of AC/DC Integrated Systems



Intelligent Operation and Maintenance

Parameters/ Model		Celestial Energy-5015-0.5C
DC side parameters	Cell Capacity	314Ah(LFP)
	Module Structure	1P104S
	Module quantity in single cluster	4pcs
	Nos. of Battery Clusters	12pcs
	Battery system power	5015kWh
	Voltage Range	1164.8~1476.8V
AC side parameters	Rated grid voltage	12*215kW
	Wiring Mode	AC690V
	Rated grid frequency	3W+PE
	Rated AC power	50/60Hz
	solution mode	No isolation transformer
System level parameters	Operating temperature	-30~55°C
	Ambient Humidity	0~95%(no condensation)
	Working Altitude	2000m
	Communication method	Ethernet, RS485, Optional 4G/5G Mobile Communication
	Protection level	IP54
	Cooling Method	Liquid cooling
	Noise	≤75dB
	Fire protection system	Heptafluoropropane/ Novec 1230 compartment-level/ aerosol + water-based fire extinguishing + combustible gas detection + explosion-proof ventilation system
	Size(W*D*H)	6058*2438*2896mm
	Weight	44t
Compliant with Standards	Cluster	IEC62619, UL1973, UL9540A, UN38.3
	PCS	UL1741、EN50549、VDE4110、GB/T34120、GB/T36547



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