

Celestial Energy-5015-0.5C NEW

昆宇电源
COSPOWERS

应用领域

- 用户侧C&I工商业储能的峰谷套利, 后备电源;
- 风光新能源电站的削峰填谷平滑输出;
- 电网侧调频调峰, 配电网变压器容量扩容



模块化
标准设计



多重
保护系统



交直流一体
安装调试高效



智能运维

	参数/型号	Celestial Energy-5015-0.5C
直流侧参数	电芯容量	314Ah
	模块成组	1P104S
	单簇模块数量	4pcs
	电池簇数量	12pcs
	电池系统电量	5015kWh
	电压范围	1164.8~1476.8V
交流侧参数	额定交流功率	12*215kW
	额定电网电压	690V
	接线方式	3W+PE
	额定电网频率	50/60Hz
	隔离方式	无隔离变压器
系统级参数	工作温度	-20~55°C
	环境湿度	0~95% (无凝露)
	工作海拔	2000m
	通讯方式	以太网、RS485、可选4G/5G移动通信
	防护等级	IP54
	冷却方式	液冷
	噪音	≤65dB
	消防	气溶胶+水消防+可燃气体探测+防爆通风系统
	尺寸(W*D*H)	6058*2438*2896mm
	重量	44t
符合标准	Cluster	IEC62619、UL1973、UL9540A、UN38.3
	PCS	UL1741、EN50549、VDE4110、GB/T34120、GB/T36547



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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
	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	690V
	Rated grid frequency	3W+PE
	Rated AC power	50/60Hz
	Isolation mode	No isolation transformer
System level parameters	Operating temperature	-20~55°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	≤65dB
	Fire protection system	Aerosol ten water fire protection + combustible gas detection + explosion-proof ventilation system
	Size(W*D*H)	6058*2438*2896mm
Compliant with Standards	Weight	44t
	Cluster	IEC62619, UL1973, UL9540A, UN38.3
	PCS	UL1741, EN50549, VDE4110, GB/T34120, GB/T36547



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