

金祥子集装箱储能系统-5000KWh		Kingsungo container energy storage system-5000KWh	
产品描述		Product description	
产品标题		Container battery energy storage system	
1.工业级磷酸铁锂电芯，更高的安全性和更长的使用寿命。 2.三级拓扑结构，转换效率高达99.0% 温控设计，电池组温差≤3°C，辅助功耗降低30%，系统寿命延长2年+ 级品牌长寿命LFP电池，循环寿命>8000次。 能串平衡架构，兼容新旧电池组的混合使用，支持电池补充的分阶段投资 6.热失控检测、气溶胶和水喷雾、三级消防联动		1. Industrial grade lithium iron phosphate battery cells provide higher safety and longer service life. 2. Three-level topology, conversion efficiency up to 99.0% 3. Liquid-cooling temperature control design, battery pack temperature difference ≤3°C, auxiliary power consumption reduced by 30%, extending system lifespan by 2 years+ 4. Top domestic brand long-life LFP battery cells, cycle life > 8000 times 5.Smart string balancing architecture,compatible with mixed use of new and old battery packs, supporting phased investment in battery replenishment 6. Thermal runaway detection & Aerosol & Water spray, three-level fire linkage	
			
产品参数		Product parameters	
型号: ESS1331-05P5015		Model: ESS1331-05P5015	
电气参数/Electrical Parameters			
电池类型	LFP/314Ah	Cell Type	LFP/314Ah
标称能量	5015kWh	Nominal Energy	5015kWh
标称电压	1331.2V	Nominal Voltage	1331.2V
建议电压范围	1140V-1497.6V	Recommended Voltage Range	1140V-1497.6V
最大充放电率	0.5P@25°C	Maximum Charge/Discharge Rate	0.5P@25°C
最大充电功率	1253.75kW*2(0.5P)	Maximum Charging Power	1253.75kW*2(0.5P)
环境参数/Environmental Parameters			
存储温度	-30°C~60°C	Storage Temperature	-30°C~60°C
操作温度	-35°C~45°C	Operating Temperature	-35°C~45°C
操作适度	≤85%	Operating Humidity	≤85%
允许海拔高度	≤2000m	Permissible Altitude	≤2000m
结构参数/Structural Parameters			
防护等级（IP等级）	IP55	Ingress Protection Rating (IP Rating)	IP55
制冷方式	液冷制冷	Cooling Method	Liquid-Cooling
通讯方式	CAN, RS485, Ethernet	Communication Method	CAN, RS485, Ethernet
通讯协议	CAN, Modbus-TCP/IP, Modbus RTU, IEC104	Communication Protocol	CAN, Modbus-TCP/IP, Modbus RTU, IEC104
灭火系统	•防爆排气和通风系统 •温度/烟雾/可燃气体探测系统 •PACK级水下灭火系统 •气溶胶灭火系统 •预制喷水灭火系统（可选）	Fire Suppression System	• Explosion-proof Exhaust and Ventilation System • Temperature/Smoke/Combustible Gas Detection System • PACK-level submerged Fire Extinguishing System • Aerosol Fire Extinguishing System • Prefabricated Water Sprinkler System (Optional)
中国合规	GB/T36276	China Compliance	GB/T36276
美国合规	UL1642, UL1973, UL9540, UL9540A, NFPA 69, NFPA 855, NFPA68*	US Compliance	UL1642, UL1973, UL9540, UL9540A, NFPA 69, NFPA 855, NFPA68*
欧洲标准	IEC 62619, IEC 62477-1, IEC 61000-6-2, IEC 61000-6-4, IEC 62933-5-2, IEC 60068-2, IEC 62620, IEC 61427-1, IEC 61427-2, IEC 60730, IEC 63056, EU 2023-1542	European Standard	IEC 62619, IEC 62477-1, IEC 61000-6-2, IEC 61000-6-4, IEC 62933-5-2, IEC 60068-2, IEC 62620, IEC 61427-1, IEC 61427-2, IEC 60730, IEC 63056, EU 2023-1542
运输合规	UN38.3, UN3536	Shipping Compliance	UN38.3, UN3536
产品尺寸	6058*2438*2896mm	Dimensions (W*D*H)	6058*2438*2896mm
重量	≈ 44t	Weight	≈ 44t
Anhui Jinxiangzi New Energy Technology Co.,Ltd			