

金祥子集装箱储能系统-2000KWh		Kingsungo container energy storage system-2000KWh	
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% 3.液冷温控设计，电池组温差<3°C，辅助功耗降低30%，系统寿命延长2年+ 4.CATL长寿命LFP电池，循环寿命>8000次。 5.智能串平衡架构，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. CATL 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：ESS-1000-2000kWh-L		Model: ESS-1000-2000kWh-L	
直流参数/DC Parameters			
电池类型	LFP/314Ah	Cell Type	LFP/314Ah
额定能量	2090.0kWh	Rated Energy	2090.0kWh
额定电池电压	832Vdc	Rated Battery Voltage	832Vdc
操作电压范围	650Vdc~949Vdc	Operating Voltage Range	650Vdc~949Vdc
最大直流电流	157A*8	Max. DC Current	157A*8
电池配置/电池组	1P52S*5	Battery Configuration/Cluster	1P52S*5
电池组数量	8	Number of Battery Clusters	8
充放电效率	≤0.5P	Charge/Discharge C-Rate	≤0.5P
并网侧/On-grid Side			
额定输出功率	1000kW	Rated Output Power	1000kW
额定输出电压	400Vac	Rated Output Voltage	400Vac
额定输出电压范围	-15%~10% (可调节)	Rated Output Voltage Range	-15%~10% (Adjustable)
额定电网频率	50Hz/60Hz (±5Hz)	Rated Grid Frequency	50Hz/60Hz (±5Hz)
输出功率因数	-1~+1	Output Power Factor	-1~+1
运行相数	3L+N/3L+N+PE	Operating Phase	3L+N/3L+N+PE
适应网格类型	TT/TN	Adaptation to Grid Types	TT/TN
拓扑学	无变压器	Topology	Transformerless
效率/Efficiency			
最大能效	90%	Max. Efficiency	90%
总参数/General Data			
浪涌保护	DC Type II / AC Type II	Surge Protection	DC Type II / AC Type II
污染等级	Class II	Pollution Level	Class II
防火控制	气溶胶	Fire Control	Aerosol
防护等级	IP54	Ingress Protection	IP54
安装方式	户外安装	Installation Method	Outdoor installation
电池制冷方式	液冷	Battery Cooling Concept	Liquid cooling
运行温度	-30°C~+60°C（55°C以上降额）	Running Temperature	-30°C~+60°C (Derating above 55°C)
操作环境湿度	0~95%（无冷凝）	Operating Surroundings Humidity	0~95% (No condensation)

允许海拔高度	≤2000m	Permissible Altitude	≤2000m
箱体尺寸	6058*2896*2438mm	Cabinet Size (WxHxD)	6058*2896*2438mm
重量	<25T	Weight	<25T
显示面板	LED+Web+APP	Display	LED+Web+APP
接口	RS485, Ethernet, 4G	Interface	RS485, Ethernet, 4G
安全EMC标准	EN 62477-1, EN 61000-6-2, EN 61000-6-4	Safety EMC / Standard	EN 62477-1, EN 61000-6-2, EN 61000-6-4
并网标准	EN 50549-1:2019+A1 2023, TOR Erzeuger: 2019-12-12, OVE-Richtlinie R 25:2020-03-01, PPDS	Grid Connection Standard	EN 50549-1:2019+A1 2023, TOR Erzeuger: 2019-12-12, OVE-Richtlinie R 25:2020-03-01, PPDS
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