

大型储能系统解决方案

Utility Energy Storage System



产品特点 / Highlights

-  能量密度更高，占地面积更小
Higher energy density with minimized footprint
-  可完美地与新能源发电配合
Perfectly work along with renewable energy source
-  单体40英尺集装箱可安装5483 kWh电池@1250 kW功率
5483 kWh batteries in a single 40ft containerized enclosure @ 1250 kW power

系统特征 / System Features



Rack level Lockable
Disconnect



短路保护
Short Circuit Protection



灭火系统
Fire Detection and
Suppression



水消防系统 (可选)
Water-based Suppression
System (Optional)



入侵检测系统
Intrusion Detect System



金盾控制器
System Controller

双一力简介 / About SYL battery

双一力储能是东方日升集团旗下子公司，成立于2005年，位于有：“天然氧吧”之誉的东海之滨-宁海。公司是一家集研发、生产、销售、服务为一体的高新技术企业，致力于成为全球领先的“储能+”智慧能源系统供应商。共公司专注锂电池16年，年产能为5GWh+，拥有资深电池技术研发人员和系统集成研发人员超100人。SYL Battery(SYL), a subsidiary of Risen Group, was established in 2005 at Ningbo Which is located on the east coast of China and is Known as the "Natural Oxygen Bar". SYL is a high-tech company with the capability of R&D, integration, manufacturing, sales, and service. SYL has focused on lithium batteries for 16 years, with an annual production capacity of 5GWh+, and has more than 100 senior battery technology R&D and system integration engineering employees on board. SYL is devoted to being one of the world's leading suppliers for "Energy Storage+" smart energy systems.

双一力储能独立开发的1500V高压储能电池系统是国内280Ah首家通过UL9540A的系统，凭借储能电池技术的优势为辅助新能源并网、电力调频调峰、微电网、应急备用、削峰填谷、黑启动等提供整套储能系统解决方案。产品涵盖电芯、模组、工商业及大型储能，目前已应用在中国、美国、英国、德国、捷克、加拿大、澳大利亚、泰国、日本、菲律宾等众多国家。The 1500V high-voltage energy storage battery system developed by SYL independently is the first 280Ah battery system that passed the UL 9540A test in China. with it's advantages of energy storage battery technology, SYL is capable of Offering BESS solutions for Renewable Energy Smoothing, Peak Shaving, Frequency Regulation, Microgrid, Backup Power, Black-start, and other applications. with a full spectrum of product line covers battery systems, residential, C&I, and utility energy storage system, SYL has delivered BESS to China, the United States, United Kingdom, Germany, Czech Republic, Canada, Australia, Thailand, Japan, Philippines, and other countries around the world.

risen | SYL

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系统参数

Technical Specification

类目/Item

参数/Specification

系统型号 System Model	SU5483C1250K
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系统信息/System Information

最大功率 Max. Power	1,250kW
额定容量 Nameplate Capacity	5,483kWh

电池信息/Battery Information

电芯 Battery Chemistry	LFP
容量 Capacity	280Ah
配置 Configuration	340S18P
额定电压 Nominal Voltage	1,088V
电压范围 Voltage Range	952 ~ 1,224V

运行环境/Working Conditions

防护等级 Degree of Protection	NEMA 3R / IP54
噪音排放 Noise Emission	≤75dB @1m
运行温度范围 Operating Temperature Range	-22°F ~ 113°F / -30°C ~ 45°C
相对湿度 Relative Humidity	0~95% (不冷凝/No condensing)
最大运行海拔 Max. Working Altitude	6,500' / 2,000m

常规信息/General Information

尺寸(长×高×宽) Dimensions (W×H×D)	40'×9.5'×8' / 12,192×2,896×2,438mm	
重量 Weight	60t	
冷却方式 Cooling	HVAC(暖通与空调系统)	
灭火系统 Fire Suppression System	FM200 (Novec 1230 可选的/optional)	
辅助电源 Aux. Power Supply	480VAC 60Hz 3P3L	400VAC 50Hz 3P4L
辅助电源最大电流 Max. Current of Aux. Power Supply	24A	30A
通讯协议 Communication Protocol	Modbus TCP/IP	
认证 Certificate	UL1973, UL9540A, IEC62619, IEC61000	