

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级可视开关
Rack Level Lockable Disconnect



短路保护
Short Circuit Protection



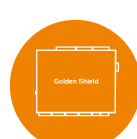
灭火系统
Fire Detection and Suppression



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

系统参数

Technical Specification

类目/Item

参数/Specification

系统型号 System Model	SU5483U1250K	SU5483E1250K
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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
可适配逆变器 Compatible Inverters	PE: FP1700K(K2), FP1770K(2), FP1875K(K2). SMA: SCS 2500-EV. Sungrow: SC1200UD, SC1375UD, SC1575UD.

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(含/不含电池) Weight (with & without batteries)	132,000lbs & 26,500lbs / 60t & 12t
冷却方式 Cooling	HVAC(暖通与空调系统)
灭火系统 Fire Suppression System	FM200 (Novec 1230 可选择的/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

Golden Stack