

工商业储能系统解决方案

C&I Energy Storage System



产品特点 / Highlights

- 既插即用
Plug and play design
- 250 kW储能变流器和502 kWh电池
250 kW PCS and 502 kWh batteries
- 包含储能变流器和电池的集装箱化系统解决方案
Turnkey solution with PCS and batteries

系统特征 / System Features



Rack级可视开关
Rack Level Lockable Disconnect



短路保护
Short Circuit Protection



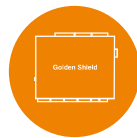
灭火系统
Fire Detection and Suppression



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	SU502U250L	SU502E200L
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系统信息/System Information

额定交流功率 Nominal AC Power	250kW	200kW
额定容量 Nameplate Capacity	502kWh	

电池信息/Battery Information

电芯 Battery Chemistry	LFP	
容量 Capacity	280Ah	
配置 Configuration	280S2P	
额定电压 Nominal Voltage	896V	
电压范围 Voltage Range	784 ~ 1,000V	

逆变器信息/Inverter Information

最大交流功率 Max. AC Power	2 x 125kW	2 x 100kW
额定电网/孤岛电压 Nominal Grid/Islanding Voltage	480V	400V
电网电压范围 Grid Voltage Range	422.4~528V	320 ~ 456V
功率因数 Power Factor	-1 to 1, continuously adjustable	
额定电网频率 Nominal Grid Frequency	60Hz	50Hz
隔离方式 Isolation	无变压器隔离 Transformerless	

运行环境/Working Conditions

防护等级 Degree of Protection	NEMA 3R / IP54	
噪音排放 Noise Emission	≤ 72dB @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	

系统信息/System Information

尺寸(长×高×宽) Dimensions (W×H×D)	14.9'×8.2'×5.2' / 4,550×2,500×1,600mm	
重量(含/不含电池/) Weight (with & without batteries)	15,500lbs & 6,600lbs / 7t & 3t	
电池室冷却方式 Cooling Method of Battery Chamber	HVAC(暖通与空调系统)	
PCS室冷却方式 Cooling Method of PCS Chamber	带有可更换风扇模块的强制风冷 Forced air cooling with replaceable fan module	
灭火系统 Fire Suppression System	FM200 (Novec 1230 可选择的/optional)	
通讯协议 Communication Protocol	Modbus TCP/IP	
认证 Certificate	UL1741, UL 1741SA, IEEE1547, UL1973, UL9540A, UL9540	IEC62619, IEC61000 IEC62477, G99, AS4777.2