

eTron 5MWh Liquid-Cooled ESS

SU5016E2500KC Series



Enhanced Safety

BMS, PCS and EMS integrated seamlessly, with five-layer protection architecture ensuring full safety



Reliable Performance

Battery testing and liquid cooling ensure stable, high-performance operation



Efficient Maintenance

Advanced Integration, Modular Design, Plug-and-Play Deployment Philosophy

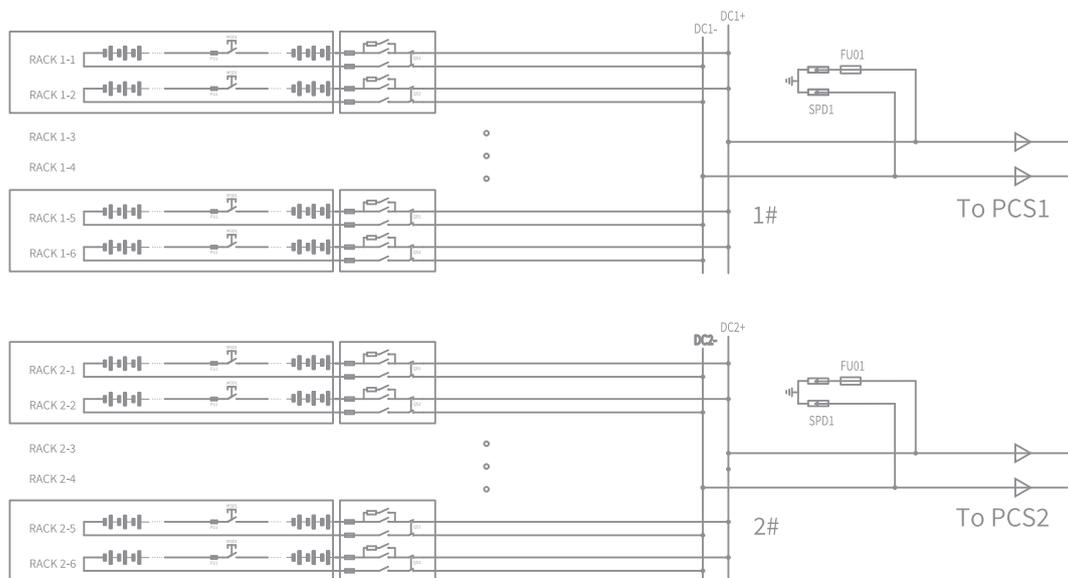


Technical Specification

System Model	SU5016E2500KC Series*
System Information	
Nominal AC Power	2500kW
Nameplate Capacity	5015.96kWh
Battery Information	
Battery Chemistry	LFP
Capacity	314Ah
Configuration	416S12P
Nominal Voltage	1331.2V
Voltage Range	1123.2~1497.6V
Working Conditions	
Degree of Protection	IP55
Noise Emission	≤80dB@1m
Operating Temperature Range	-30°C~55°C(>50°C Derating)
Relative Humidity	0~95%RH
Max. Working Altitude	4000m
General Information	
Dimensions(W*H*D)	6058*2896*2438mm
Weight	40.3±0.5t
Cooling Method	Intelligent Liquid Cooling
Fire Suppression System	Dry Pipe, Gas Detection and Ventilation, Aerosol, Alarm System
Aux. Power Supply	AC400V/3P4L 50Hz
Communication Protocol	Modbus TCP/IP
Certificate	IEC 62477-1, IEC 62619, IEC63056, IEC 60730, IEC 61000-6-2&IEC61000-6-4, IEC62933

*Note: SU5016E2500KC-L and its mirrored version SU5016E2500KC-R.

Single Line Diagram



SYL(Ningbo)Battery Co.,Ltd.