

risen

eFlex 836kWh Liquid-Cooled ESS

SU836U418KM

Peak Performance

98.4 kWh/m³ energy density, \geq 94% efficiency, enabling scalable, cost-effective solutions

Neat Flexibility

Supports 6-8 unit parallel connections and reduced cluster options for versatile applications

Deep Safety

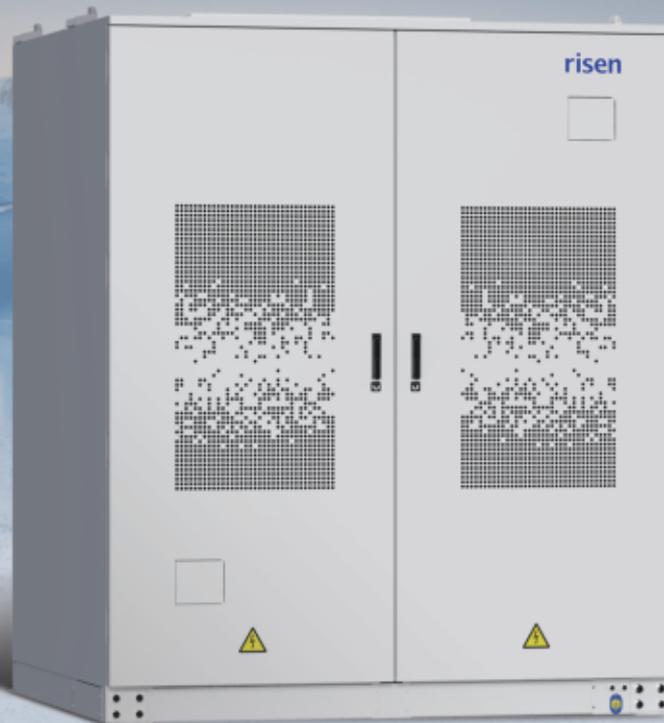
UL/IEC standard certified, Zone 4 seismic design, meeting global safety standards

Wide Resilience

-30°C to 55°C range, IP55 protection, C4-M corrosion resistance, and full performance up to 4000m

Smart Assistance

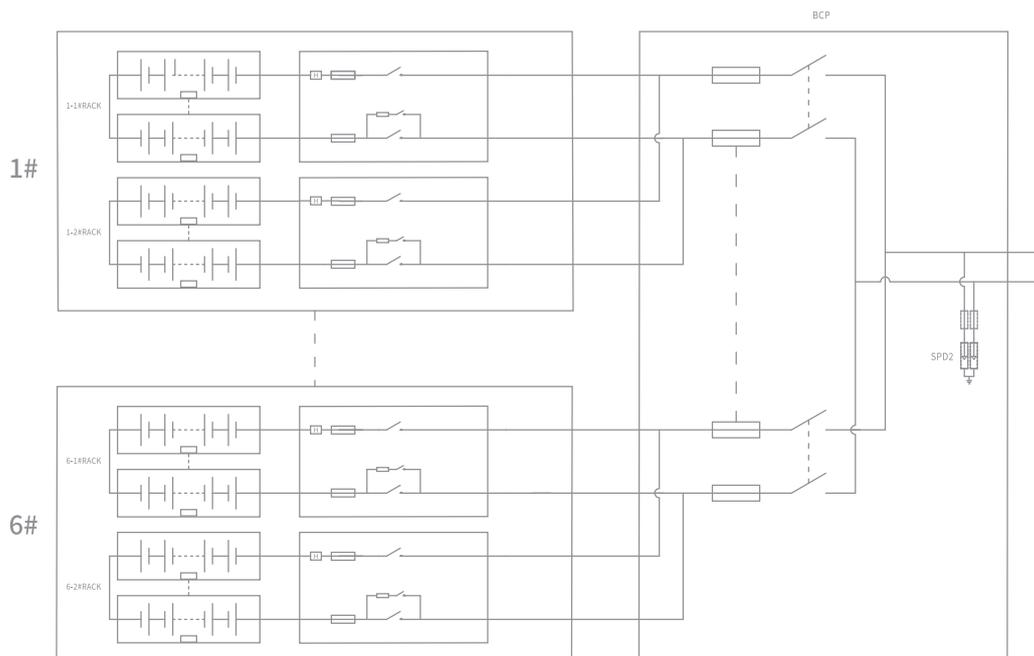
EMS interface, remote monitoring, and full-cycle maintenance for optimized efficiency



Technical Specification

System Model	SU836U418KM
System Information	
Nominal AC Power	418kW
Nameplate Capacity	836kWh
Battery Information	
Battery Chemistry	LFP
Battery Capacity	314Ah
Configuration	416S2P
Nominal Voltage	1331.2V
Voltage Range	1123.2~1497.6V
Working Conditions	
Degree of Protection	IP55
Noise Emission	≤72dB
Operating Temperature Range	-30°C~55°C
Relative Humidity	0~95%RH
Max. Working Altitude	4000m
System Information	
Dimensions(W*H*D)	2000*2470*1700mm
Weight	6.75±0.2t
Cooling Method	Intelligent Liquid Cooling
Aux. Power Supply	AC480V/3P3L 60Hz
Fire Suppression System	Dry Pipe, Gas Detection and Ventilation, Aerosol, Alarm System
Certificate	UL9540A, UL1973, UN38.3, UL9540(Pending)

Circuit Diagram



SYL(Ningbo)Battery Co.,Ltd.