

# risen

## eFlex 836kWh Liquid-Cooled ESS

SU836E418KM

### Peak Performance

98.4kWh/m<sup>3</sup> energy density, ≥94% efficiency, enabling scalable, cost-effective solutions

### Neat Flexibility

Supports 6-8 units parallel connections and adjustable rack configuration for versatile applications

### Deep Safety

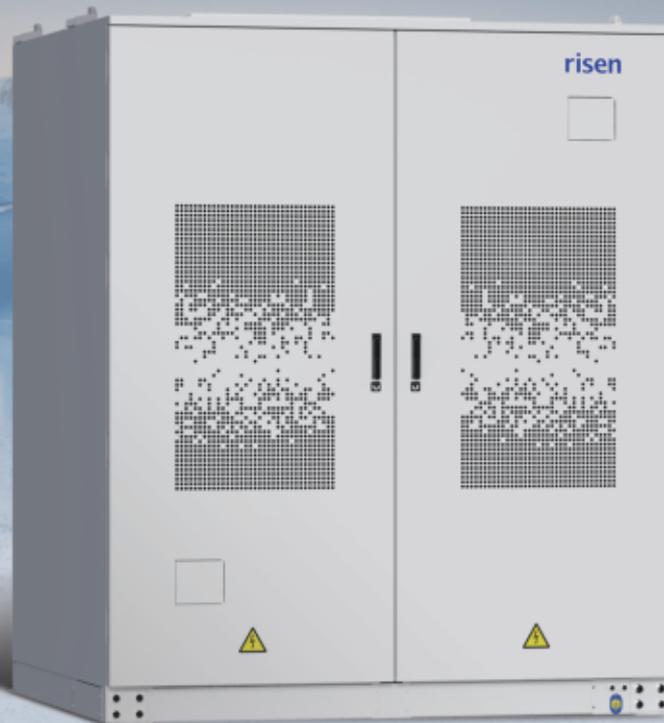
UL/IEC standard certified, Zone4 seismic design, meeting global safety standards

### Wide Resilience

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

### Smart Assistance

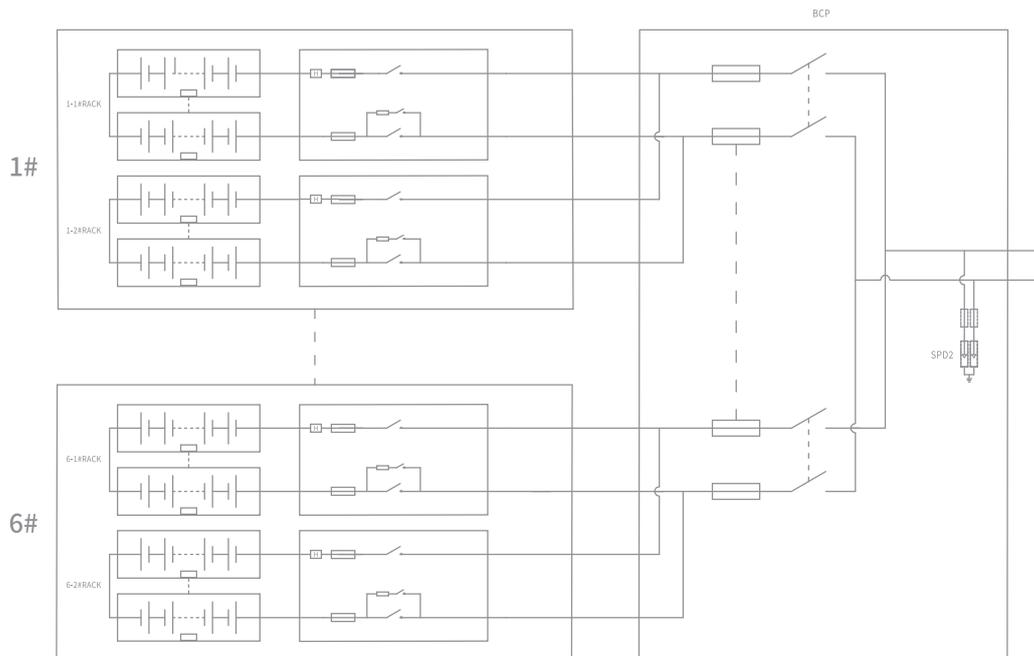
EMS interface, remote monitoring, and full-cycle maintenance for optimized efficiency



# Technical Specification

<b>System Model</b>	<b>SU836E418KM</b>
<b>System Information</b>	
Nominal AC Power	418kW
Nameplate Capacity	836kWh
<b>Battery Information</b>	
Battery Chemistry	LFP
Battery Capacity	314Ah
Configuration	416S2P
Nominal Voltage	1331.2V
Voltage Range	1123.2~1497.6V
<b>Working Conditions</b>	
Degree of Protection	IP55
Noise Emission	≤72dB
Operating Temperature Range	-30°C~55°C
Relative Humidity	0~95%RH
Max. Working Altitude	4000m
<b>System Information</b>	
Dimensions(W*H*D)	2000*2470*1700mm
Weight	6.75±0.2t
Cooling Method	Intelligent Liquid Cooling
Aux. Power Supply	AC400V/3P4L 50Hz
Fire Suppression System	Dry Pipe, Gas Detection and Ventilation, Aerosol, Alarm System
Certificate	IEC-62619, IEC63056, IEC60730

## Single Line Diagram



## SYL(Ningbo)Battery Co.,Ltd.