

risen

iCon 105kW/215kWh C&I Liquid-Cooled ESS

SU215E105LM

Highly Integrated

All-in-One design,
covering an area of 1.4m²,
saving 25% space

Safe and Reliable

Nine-layer safety protection
Pack-level monitoring,
ensuring enhanced safety

Smart O&M

Risen Cloud provides real-time alarm
and troubleshooting solution



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Technical Specification

System Model	SU215E105LM
System Information	
Rated AC Power	105kW
Rated Capacity	215kWh
Battery Information	
Cell Type	LFP
Cell Capacity	280Ah
Configuration	240S1P
Rated Voltage	768V
Voltage Range	672~864V
Charge & Discharge Rate	0.5C
Depth of Discharge (DoD)	98%
PCS	
AC Power	105kW
Operation Mode	On-grid & Off-grid
Rated Grid/Islanded Voltage	400Vac
Power Factor	1.0 leading~1.0 lagging
Rated Grid Frequency	50Hz/60Hz
Connection Type	3P4W
Operating Environment	
Protection Degree	IP55
Noise	75dB
Operating Temperature Range	-30°C~55°C (>45°C Derating)
Relative Humidity	0~95%
Max. Operating Altitude	3000m (>2000m Derating)
Anti-Corrosion Degree	C4(C5 Optional)
Specifications	
Dimensions(W*H*D)	1050*2500*1460mm
Weight	2.5t
Cooling Type	Liquid-cooled Battery PACK & Air-cooled PCS
Fire Alarm System	Smoke Detector、Temperature Detector、Audible and Visual Alarm、Combustible Gas Detector
Fire Suppression Measures	Aerosol + Water + PACK-level Fire Protection (Optional)
Communication Protocol	CAN/RS485
Certifications	IEC62619, IEC63056, IEC61000, IEC62477, UL9540A

SYL(Ningbo)Battery Co.,Ltd.