

risen

iCon 100kW/215kWh C&I Liquid-Cooled ESS

SU215E100LM

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



Technical Specification

System Model	SU215E100LM
System Information	
Rated AC Power	100kW
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	100kW
Operation Mode	On-grid or 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℃~55℃ (>45℃ Derating)
Relative Humidity	0~95%
Max. Operating Altitude	3000m (>2000m Derating)
Anti-Corrosion Degree	C4(C5 Optional)
Specifications	
Dimensions(W*H*D)	1050*2500*1350mm
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, IEC62933-5-2, UL9540A

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