

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
and certifications spanning Cell,
Pack, Cluster and System

Smart O&M

Risen Cloud provides real-time alarm
and troubleshooting solution



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
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
Specifications	
Dimensions(W*H*D)	1050*2500*1460mm
Weight	2.5t
Battery Cooling Type	Intelligent Liquid Cooling
PCS Cooling Type	Forced Air Cooling
Fire Suppression System	Aerosol+Water
Communication Protocol	CAN/RS485
Certifications	IEC62619, IEC63056, IEC61000, IEC62477, UL9540A

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