



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

SU215C100LM-III

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	SU215C100LM-III
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 & Off-grid
Rated Grid/Islanded Voltage	400Vac
Power Factor	1.0 leading~1.0 lagging
Rated Grid Frequency	50Hz
Connection Type	3P4L
Operating Environment	
Protection Degree	IP55
Noise	75dB
Operating Temperature Range	-30°C~60°C (>45°C Derating)
Relative Humidity	0~95%
Max. Operating Altitude	3000m (>2000m Derating)
Anti-Corrosion Degree	C3 (C5 Optional)
Specifications	
Dimensions(WxHxD)	1000x2470x1400mm
Weight	2.3t
Cooling Type	Intelligent Liquid Cooling
Design Lifetime	10 years
Fire Suppression System	Aerosol + Water + PACK-level Fire Protection (Optional)
Communication Protocol	CAN/RS485
Certifications	IEC62619, IEC61000, GB/T36276

SYL(Ningbo)Battery Co.,Ltd.