

Energy Storage · Commercial & industrial

Risen iCon 125 kW / 261 kWh Energy Storage System

An all-in-one, liquid-cooled 261 kWh battery storage cabinet with a 125 kW power conversion system, for hotels, offices and car parks.

Product code: **SPC-ESS-RIS-SU261E125LM**



Use case

A shopping centre wants to add DC fast chargers in its car park, but the existing grid connection cannot supply them at full power.

The storage system buffers energy and supports the chargers during busy hours, so the connection does not need to be upgraded straight away.

Price on request — official price list coming soon.

How it works

All-in-one cabinet

Batteries, power conversion, cooling and fire protection in one outdoor cabinet that occupies about 1.6 m².

Layered safety

Nine layers of protection, pack-level monitoring, smoke, temperature and combustible-gas detection, with an aerosol and water fire-suppression system.

Remote monitoring

A cloud platform provides real-time alarms and remote diagnostics.

Specifications

PARAMETER	VALUE
Manufacturer	Risen Energy
Model	SU261E125LM
Rated AC power	125 kW
Rated capacity	261 kWh
Cell chemistry	LFP (lithium iron phosphate)
Cell capacity	314 Ah
Configuration	260S1P
Rated voltage	832 V
Voltage range	728–949 V
Charge/discharge rate	0.5C
Depth of discharge	98%
Operating mode	On-grid and off-grid
Grid connection	400 V AC, 3P4W, 50/60 Hz
Ingress protection	IP55
Corrosion class	C4 (C5 optional)
Operating temperature	–30 to +55 °C (derating above 45 °C)
Max. altitude	3000 m (derating above 2000 m)
Cooling	Liquid-cooled battery packs, air-cooled PCS
Fire protection	Smoke, temperature and combustible-gas detection; aerosol + water; pack-level protection optional
Communication	CAN, RS485
Dimensions (W × H × D)	1050 × 2450 × 1520 mm
Weight	2.6 t
Standards (manufacturer declaration)	IEC 62619, IEC 63056, IEC 61000, IEC 62477, IEC 62040, UL 9540A

Manufacturer: Risen Energy Co., Ltd. Offered and supported in Poland by Space BMS sp. z o.o.

Detailed technical documentation and drawings are available on request.

How we work with you

- Analysis of your load profile and connection capacity.
- Sizing of power and capacity for your goals.
- Integration with PV, EV charging and building systems.
- Installation, commissioning and remote monitoring.

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