

Energy Storage · Large sites

Risen eFlex 418 kW / 836 kWh Energy Storage System

A liquid-cooled 836 kWh storage unit for large buildings and campuses, scalable by connecting 6–8 units in parallel.

Product code: **SPC-ESS-RIS-SU836E418KM**



Use case

A resort with conference facilities and a large car park needs to manage high peaks from kitchens, HVAC and EV charging.

A single eFlex unit shifts energy from cheaper hours to the peaks, and further units can be added as the site grows.

Price on request — official price list coming soon.

How it works

High energy density

98.4 kWh per square metre of footprint and system efficiency above 94%.

Scalable

6–8 units can operate in parallel as the site's needs grow.

Safety by design

Dry pipe, gas detection with ventilation, aerosol fire suppression and an alarm system; seismic design to Zone 4.

Specifications

PARAMETER	VALUE
Manufacturer	Risen Energy
Model	SU836E418KM
Nominal AC power	418 kW
Nameplate capacity	836 kWh
Cell chemistry	LFP (lithium iron phosphate)
Cell capacity	314 Ah
Configuration	416S2P
Nominal voltage	1331.2 V
Voltage range	1123.2–1497.6 V
Parallel operation	6–8 units
Ingress protection	IP55
Noise	< 72 dB
Operating temperature	–30 to +55 °C
Max. altitude	4000 m
Cooling	Intelligent liquid cooling
Auxiliary supply	400 V AC, 3P4L, 50 Hz
Fire protection	Dry pipe, gas detection and ventilation, aerosol, alarm system
Dimensions (W × H × D)	2000 × 2470 × 1700 mm
Weight	6.75 t (± 0.2 t)
Standards (manufacturer declaration)	IEC 62619, IEC 63056, IEC 60730

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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