

5,015.96 kWh | Containerised BESS

2,500 kW • Liquid cooling • LFP

Containerised storage for renewable integration, load shifting and grid support. Modular architecture combines battery management, thermal control and fire protection.

Reference model: SE5ML-2.5M

ROCAS product illustration. Final appearance depends on the selected configuration.

BATTERY / ELECTRICAL

Battery	LFP; 3.2 V / 314 Ah
Energy	5,015.96 kWh
Rated power (0.5P)	2,500 kW
Configuration	1P416S ×12
Battery voltage	1,123.2–1,497.6 V
Cycle life	8,000 cycles (0.5P, 25 ±2°C, 70% SOH)

SYSTEM / ENVIRONMENT

Dimensions W × D × H	6,058 ×2,438 ×2,896 mm
Weight	≤45 t (PDF); ≤46 t (web)
Enclosure / battery pack	IP55 / IP67
Operating temperature	-20 to +50°C
Cooling	Liquid cooling / 50% ethylene glycol
Fire suppression	Aerosol
Corrosion resistance	C4/C5
Communications	CAN / Ethernet
Humidity	0–95% RH, non-condensing
System efficiency	>93% (measurement boundary not stated)
Altitude	≤2,000 m, standard
Noise	<80 dB
Listed standards	GB/T 34120; GB/T 36276; GB/T 34133; GB/T 34131; IEC 62477; IEC 62619; IEC 63056; IEC 61000; IEC 62933-5-2; UN 38.3

Latest linked PDF used. Web weight is ≤46 t; PDF weight is ≤45 t. Web corrosion grade is C4; PDF lists C4/C5. Confirm the delivered configuration.

Listed standards are source references; model-specific conformity documentation must match the delivered configuration.