



522 kWh | High-Capacity BESS

250 kW • Liquid cooling • LFP

Large-capacity cabinet integrating battery, PCS, EMS, BMS, liquid cooling and fire protection. Supports peak shaving, demand response and parallel expansion.

Reference model: SE522L-250K

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

AC / GRID-CONNECTED

Rated output	250 kW
Overload	1.1× continuous; 1.2× for 1 min
Rated voltage / wiring	400 V (-15% to +15%); 3P+N+PE
Rated current	360 A
Power factor	-1 to +1
Grid frequency	50/60 Hz ±2.5 Hz
THDI	≤3%

AC / OFF-GRID

Voltage	400/380 V ±3%
Frequency	50/60 Hz
THDU	<3% with linear load
Unbalanced load	100%

BATTERY

Cell chemistry / rating	LFP; 3.2 V / 314 Ah
Configuration	2P260S
Energy at 25°C / 0.5P	522.496 kWh
DC range / nominal	702-936 V / 832 V
Cycle life	8,000 cycles (0.5P, 25 ±2°C, 70% SOH)

SYSTEM / ENVIRONMENT

Off-grid switching	<20 ms (web)
Dimensions W × D × H	1,900 × 1,350 × 2,300 mm
Weight	5,340 kg
Noise	<75 dB
Enclosure / battery pack	IP54 / IP67
System efficiency	≥88%
Ambient temperature	-30 to +55°C
Humidity	≤95% RH, non-condensing
Cooling	Liquid cooling
Fire suppression	Aerosol
Communications	Ethernet / CAN / RS485
Maximum altitude	2,000 m
Listed standards*	IEC 62933; IEC 62477; IEC 62619; IEC 63056; EC61000 [source spelling]; UN 38.3

PDF gives IP54 (pack IP67); web description gives IP55. Web grid frequency range differs. Confirm enclosure and grid settings.

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