



241 kWh | AC-Coupled BESS

125 kW • Liquid cooling • LFP

Liquid-cooled cabinet with integrated PCS and modular expansion toward MWh-scale installations. Pre-assembled modules simplify deployment and maintenance.

Reference model: SE241L-125K

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

AC / GRID-CONNECTED

Rated output	125 kW
Overload	1.1× continuous; 1.2× for 1 min
Rated voltage / wiring	400 V (-15% to +15%); 3P+N+PE
Rated current	180 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	1P240S
Energy at 25°C / 0.5P	241 kWh
DC range / nominal	648-864 V / 768 V
Cycle life	8,000 cycles (0.5P, 25 ±2°C, 70% SOH)

SYSTEM / ENVIRONMENT

Charge/discharge / display	≤0.5P; optional touch screen (web)
Dimensions W × D × H	1,000 × 1,350 × 2,300 mm
Weight	2,450 kg
Noise	<75 dB
Enclosure / battery pack	IP54 / IP67
System efficiency	≥88%
Ambient temperature	-20 to +55°C
Humidity	≤95%
Cooling	Liquid cooling
Fire suppression	Aerosol
Communications	Ethernet / CAN / RS485
Maximum altitude	2,000 m
Listed standards*	GB/T 34120; GB/T 36276; IEC 62477; IEC 62619; IEC 61000; UN 38.3

PDF confirms 241 kWh; web battery table incorrectly/ambiguously lists 215 kWh. Web also differs on temperature, voltage tolerance and efficiency.

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