



215 kWh | AC-Coupled BESS

100 kW • Liquid cooling • LFP

Pre-assembled liquid-cooled system with modular expansion. Grid-connected, off-grid and virtual power plant operating modes are listed on the web page.

Reference model: SE215L-100K

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

AC / GRID-CONNECTED

Rated output	100 kW
Overload	1.1× continuous; 1.2× for 1 min
Rated voltage / wiring	400 V (-15% to +15%); 3P+N+PE
Rated current	145 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 / 280 Ah
Configuration	1P240S
Energy at 25°C / 0.5P	215 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	2,400 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; IEC 63056

PDF specifications used. Web gives -30 to +55°C and AC upper tolerance +10%.

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