



215 kWh | Hybrid PV + BESS

100 kW • Liquid cooling • Integrated PV input

Combined PV, battery and grid operation with integrated EMS. The PDF lists black-start support, independent PV inputs and grid/backup interfaces. Four-level fire protection is described on the web page.

Reference model: SE215L-100KGC (PDF); SE215A-100K (web)

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

BATTERY

Cell chemistry / rating	LFP; 3.2 V / 280 Ah
Configuration	1P240S
System energy	215.04 kWh
DC range / nominal	648-864 V / 768 V
Cycle life	8,000 cycles (0.5P, 25 ±2°C, 70% SOH)

PV INPUT

Maximum power / voltage	156 kW / 1,100 V
MPPT range / rated	180-850 V / 550 V
Start voltage	195 V
Input / short-circuit current	2 ×32 A / 2 ×40 A
MPPT quantity	10

AC / GRID AND BACKUP

Rated power / max. current	100 kW / 166.7 A
Voltage / wiring	400 V (-15% to +15%); 3P+N+PE
Grid frequency	50/60 Hz; 45-55 / 55-65 Hz
Off-grid switching	<20 ms (PDF)

SYSTEM / ENVIRONMENT

Dimensions W × D × H	1,550 ×1,300 ×2,300 mm
Included equipment	Hybrid inverter and air conditioning
Weight / efficiency	2,500 kg / ≥88%
Ambient / humidity	-20 to +55°C / ≤95%
Cooling / fire suppression	Liquid cooling / aerosol
Communications	Ethernet / CAN / RS485
Maximum altitude	2,000 m
Listed standards*	GB/T 34120; GB/T 36276; UN 38.3

PDF specifications used. Web gives MPPT 180-800 V, efficiency >88% and string count 6/6. MPPT/current allocation requires confirmation.

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