



112 kWh | Hybrid PV + BESS

50 kW • Air cooling • Integrated hybrid inverter

Integrated solar input and battery storage. Grid-connected and backup operation, peak shaving and remote monitoring. Cabinet dimensions include the hybrid inverter and air-conditioning equipment.

Source model reference: SE112A-50KGC (PDF); SE112A-50K (web)

ROCAS branding visualisation. Final supplied appearance and configuration require confirmation.

BATTERY

Cell chemistry / rating	LFP; 3.2 V / 314 Ah
Configuration	1P112S
System energy	112.53 kWh (PDF); 112 kWh headline
DC range / nominal	302.4-403.2 V / 358.4 V
Cycle life	8,000 cycles (0.5P, 25 ±2°C, 70% SOH)

PV INPUT

Maximum power / voltage	100 kW / 1,000 V
MPPT range / rated	180-850 V / 600 V
Start voltage	200 V
Input / short-circuit current	6 ×45 A / 6 ×56.5 A
MPPT quantity	2

AC / GRID AND BACKUP

Rated power / max. current	50 kW / 79.8 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

SYSTEM / ENVIRONMENT

Dimensions W × D × H	1,355 ×1,300 ×2,300 mm
Weight / efficiency	1,500 kg / ≥86%
Ambient / humidity	-20 to +55°C / ≤95%
Cooling / fire suppression	Air cooling / aerosol
Communications	Ethernet / CAN / RS485
Maximum altitude	2,000 m
Enclosure rating	IP55 (web description)
Listed standards*	GB/T 34120; GB/T 36276; UN 38.3

PDF specifications used. Web differences: 280 Ah; >86% efficiency; 400 V (340-436 V); current entries differ. See source reconciliation.

*Standards are supplier-listed references; no ROCAS certification is asserted. Source review: 05 October 2026.