

Liquid-cooled energy storage

Commercial & Industrial Energy Storage System Utility Storage System

10 systems. One technical portfolio.

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English edition | Source data reviewed 5 October 2026. Source discrepancies are identified on the relevant product sheets. The air-cooled 112 kWh hybrid is excluded.



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

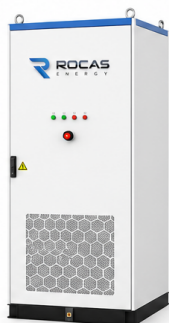
Rated power / max. current	100 kW / 166.7 A
Voltage / wiring	400 V (-15% to +15%); 3P+N+PE
Grid frequency	50/60 Hz; 45-55 / 55-65 Hz
Off-grid switching	<20 ms (PDF)

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.



261 kWh | AC-Coupled BESS

125 kW • Liquid cooling • LFP

Integrated liquid-cooled battery and PCS cabinet. Modular parallel expansion, rapid electrical protection, real-time monitoring and fault logging.

Reference model: SE261L-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	1P260S
Energy at 25°C / 0.5P	261 kWh
DC range / nominal	702-936 V / 832 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	2,670 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 specifications used. Web gives -30 to +55°C, AC upper tolerance +10%, and system efficiency >88%.

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



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.



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.



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.



418 kWh | Energy Storage System

215 kW • Liquid cooling • LFP

Modular liquid-cooled storage with battery protection, leakage detection, real-time monitoring and fault recording. The linked PDF describes a DC cabinet with an external conversion system; those specifications are not assigned to the AC system.

Reference model: SE418L-215K (web); SE418L (linked PDF)

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

AC CONFIGURATION / WEB

Rated output	215 kW
Voltage / wiring	400 V (-15% to +10%); 3P+PE
Grid frequency	50/60 Hz $\pm$ 2.5 Hz
Maximum PCS efficiency	98%

BATTERY

Cell chemistry / rating	LFP; 3.2 V / 314 Ah
Configuration	1P416S
System energy	417.996 kWh at 25°C / 0.5P
DC range	1,123.2-1,497.6 V
Cycle life	8,000 cycles (0.5P, 25 $\pm$ 2°C, 70% SOH)

SYSTEM / WEB

Charge/discharge rate	$\leq$ 0.5P
Display	Touch screen, optional
Dimensions W $\times$ D $\times$ H	1,300 $\times$ 1,350 $\times$ 2,500 mm
Weight	3,700 kg
Enclosure / pack	IP54 / IP67
System efficiency	$\geq$ 88%
Ambient temperature	-30 to +55°C
Cooling / fire suppression	Liquid cooling / aerosol
Listed standards*	GB/T 34120; GB/T 36276; IEC 62477; IEC 62619; IEC 61000
Transport reference*	UN 38.3 (web badge)

Do not merge the AC with the linked DC-cabinet PDF. The latter lists 3,600 kg, $\geq$ 94% efficiency and -20 to +55°C.

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



126 kWh | Sodium-Ion BESS

60 kW product designation • Liquid cooling • Na-ion

Sodium-ion storage with liquid thermal management and cell-level BMS monitoring. Integrated cabinet architecture. The download link leads to a different model, SE130L-60K, which is not the 126 kWh model.

Reference model: SE126L-60K (web)

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

BATTERY / WEB

Cell technology	Sodium-ion
Rated energy	126 kWh
Nominal DC voltage	741 V DC
Configuration	1P260S
DC voltage range	390-910 V DC

AC / WEB

Product power designation	60 kW (model/title; no separate table row)
Rated AC voltage	380 V AC $\pm 15\%$

SYSTEM / WEB

Dimensions W x D x H	(1,000 ± 3) x (1,350 ± 3) x (2,300 ± 3) mm
Cooling	Liquid cooling
Discharge temperature	-20 to +55°C
Charge temperature	+15 to +55°C
Enclosure rating	IP54
Humidity	5-95% RH
Transport reference*	UN 38.3 (web badge)

NOT SPECIFIED FOR THE 126 kWh MODEL

Unpublished data	Weight, PCS/system efficiency, cycle-life conditions, noise, warranty and detailed AC performance are not given in its web table.
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Linked PDF: 130 kWh headline / SE130L-60K; 175 Ah headline but 170 Ah table. These values are not assigned to the 126 kWh cabinet.

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

2.089 MWh | Containerised BESS

1 MW • Liquid cooling • LFP

Containerised storage for renewable integration, load shifting and grid support. Modular architecture combines battery management, thermal control and fire protection.



Reference model: 2 MWh

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

BATTERY / ELECTRICAL

Battery	LFP; 3.2 V / 314 Ah
Energy	2.089 MWh
Rated power (0.5P)	1 MW
Configuration	Not reliably specified
Battery voltage	702-936 V
Cycle life	8,000 cycles (0.5P, 25 ±2°C, 70% SOH)

SYSTEM / ENVIRONMENT

Dimensions W × D × H	6,058 × 2,438 × 2,591 mm (unit corrected from web typo)
Weight	≤23 t
Enclosure / battery pack	IP54 / not stated
Operating temperature	-20 to +50°C
Cooling	Liquid cooling / 50% ethylene glycol
Fire suppression	Aerosol
Corrosion resistance	C4/C5
Communications	Modbus / CAN / Ethernet
AC connection (web)	400 V; 3P4W+PE
Altitude	Not reliably specified on source page
Listed standards / transport	GB/T 36276-2023; UN 3536 (table); UN 38.3 (badge)

The 2 MWh page describes 2.089 MWh; its table has malformed energy, dimensions, configuration and altitude entries. Its linked PDF describes 3.34/5.015 MWh systems, not this model. Confirm the final 2 MWh datasheet before selection.

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

3,343.97 kWh | Containerised BESS

1,672 kW • Liquid cooling • LFP

Containerised storage for renewable integration, load shifting and grid support. Modular architecture combines battery management, thermal control and fire protection.

Reference model: SE3.34ML-1.672M

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

BATTERY / ELECTRICAL

Battery	LFP; 3.2 V / 314 Ah
Energy	3,343.97 kWh
Rated power (0.5P)	1,672 kW
Configuration	1P416S ×8
Battery voltage	1,123.2–1,497.6 V
Cycle life	8,000 cycles (0.5P, 25 ±2°C, 70% SOH)

SYSTEM / ENVIRONMENT

Dimensions W × D × H	6,058 ×2,438 ×2,896 mm
Weight	≤35 t
Enclosure / battery pack	IP55 / IP67
Operating temperature	-20 to +50°C
Cooling	Liquid cooling / 50% ethylene glycol
Fire suppression	Aerosol
Corrosion resistance	C4/C5
Communications	CAN / Ethernet
Humidity	0–95% RH, non-condensing
System efficiency	>93% (measurement boundary not stated)
Altitude	≤2,000 m, standard
Noise	<80 dB
Listed standards	GB/T 34120; GB/T 36276; GB/T 34133; GB/T 34131; IEC 62477; IEC 62619; IEC 63056; IEC 61000; IEC 62933-5-2; UN 38.3

Latest linked PDF used. The web description lists pack IP65; PDF lists IP67. Confirm the delivered configuration.

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

5,015.96 kWh | Containerised BESS

2,500 kW • Liquid cooling • LFP

Containerised storage for renewable integration, load shifting and grid support. Modular architecture combines battery management, thermal control and fire protection.

Reference model: SE5ML-2.5M

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

BATTERY / ELECTRICAL

Battery	LFP; 3.2 V / 314 Ah
Energy	5,015.96 kWh
Rated power (0.5P)	2,500 kW
Configuration	1P416S ×12
Battery voltage	1,123.2–1,497.6 V
Cycle life	8,000 cycles (0.5P, 25 ±2°C, 70% SOH)

SYSTEM / ENVIRONMENT

Dimensions W × D × H	6,058 ×2,438 ×2,896 mm
Weight	≤45 t (PDF); ≤46 t (web)
Enclosure / battery pack	IP55 / IP67
Operating temperature	-20 to +50°C
Cooling	Liquid cooling / 50% ethylene glycol
Fire suppression	Aerosol
Corrosion resistance	C4/C5
Communications	CAN / Ethernet
Humidity	0–95% RH, non-condensing
System efficiency	>93% (measurement boundary not stated)
Altitude	≤2,000 m, standard
Noise	<80 dB
Listed standards	GB/T 34120; GB/T 36276; GB/T 34133; GB/T 34131; IEC 62477; IEC 62619; IEC 63056; IEC 61000; IEC 62933-5-2; UN 38.3

Latest linked PDF used. Web weight is ≤46 t; PDF weight is ≤45 t. Web corrosion grade is C4; PDF lists C4/C5. Confirm the delivered configuration.

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

Technical sources

ROCAS 215 Hybrid | SE215L-100KGC (PDF); SE215A-100K (web)

<https://www.solareastbess.com/commercial-industrial-energy-storage-system/liquid-cooled-hybrid-cabinet.html>

ROCAS 261 AC | SE261L-125K

<https://www.solareastbess.com/commercial-industrial-energy-storage-system/261kWh-ess-cabinet.html>

ROCAS 522 AC | SE522L-250K

<https://www.solareastbess.com/commercial-industrial-energy-storage-system/522kwh-cabinet.html>

ROCAS 215 AC | SE215L-100K

<https://www.solareastbess.com/commercial-industrial-energy-storage-system/100kw-215kWh-ess-cabinet.html>

ROCAS 241 AC | SE241L-125K

<https://www.solareastbess.com/commercial-industrial-energy-storage-system/241kWh-ess-cabinet.html>

ROCAS 418 AC | SE418L-215K (web); SE418L (linked PDF)

<https://www.solareastbess.com/commercial-industrial-energy-storage-system/215kW-418kWh-ess-cabinet.html>

ROCAS 126 Sodium | SE126L-60K (web)

<https://www.solareastbess.com/commercial-industrial-energy-storage-system/60kw-126kwh-liquid-cooled-na-ion-battery-cabinet.html>

ROCAS 2MWh | 2 MWh

<https://www.solareastbess.com/large-scale-energy-storage-system/2mwh-container.html>

ROCAS 3.34MWh | SE3.34ML-1.672M

<https://www.solareastbess.com/large-scale-energy-storage-system/containerized-system.html>

ROCAS 5.015MWh | SE5ML-2.5M

<https://www.solareastbess.com/large-scale-energy-storage-system/system-container.html>

Manufacturer web pages and their linked datasheets were reviewed on 5 October 2026. Where the web page and PDF differ, the selected basis and discrepancy are identified on the product sheet. Datasheets are not certificates. Product availability, final configuration and conformity documentation require project-specific confirmation.