



261 kWh | Immersion-Cooled All-in-One ESS

125 kW • Immersion cooling • LFP

All-in-one energy storage for commercial and industrial sites, with flow immersion thermal management, active balancing and off-grid support.

Reference model: RCE-125/261-A/1/-AB-D

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

AC SIDE

Rated power	125 kW
Maximum current	209 A
Rated voltage	400 V; 3P+N+PE
Off-grid support	Yes

DC SIDE

Rated capacity	261 kWh
Maximum current	200 A
Cell	LFP; 3.2 V / 314 Ah
DC voltage range	700-950 V
Rated DC voltage	832 V
Cycle lifespan	10,000 (test conditions not specified)
BMS balancing	Active balancing
Thermal management	Flow immersion liquid cooling
Cell temperature difference	≤2°C (catalog claim)

GENERAL

Enclosure rating	IP55
Ambient temperature	-30 to +50°C; derating threshold requires confirmation
Weight	3.5 t
Dimensions W × D × H	1,450 × 1,400 × 2,350 mm
Fire suppression	Gas fire suppression + immersion-based protection + cabinet-level detection & monitoring
Listed standards	IEC 62619; IEC 62477; IEC 61000; EN 50549; UL 1973; UL 9540A; UN 38.3; G99

Specifications follow the newly supplied 261 kWh product sheet. The printed derating threshold is ambiguous and requires confirmation. Cycle-life test conditions are not specified.

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