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LIQUID-COOLED OUTDOOR ENERGY STORAGE

RV-CB-261-LC

Commercial and industrial energy storage
with an integrated PCS.



125 kW	261 kWh	832 V	IP54
Rated Charge / Discharge Power	Nominal Battery Energy	Nominal Battery Voltage	Enclosure Protection

Pre-assembled Design

Factory-preassembled for easier site deployment.

Liquid Cooling

Liquid-cooled battery system with air-cooled PCS.

Modular Expansion

Up to six systems in parallel for off-grid operation.

Smart Monitoring

Remote monitoring through cloud-edge collaboration.

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BATTERY & AC PARAMETERS

RV-CB-261-LC

MODEL	RV-CB-261-LC
BATTERY DC PARAMETERS	
Battery Type	Lithium Iron Phosphate (LiFePO4)
Nominal Capacity	314 Ah
Battery Configuration	1P260S
Nominal Energy	261.248 kWh
Nominal Voltage	832 V
Operating Voltage Range	702-936 V
Max. Continuous Charge / Discharge Current	157 A
Standard Charge / Discharge Current	157 A
Charge / Discharge Rate	0.5P
Max. Charge / Discharge Efficiency	93%
Cycle Life	At least 8,000 cycles (25°C ± 2°C, 0.5P / 0.5P, 70% EOL)
Fire Protection System	Aerosol
AC OUTPUT PARAMETERS	
Rated Charge / Discharge Power	125 kW
Max. Charge / Discharge Power	137 kW (@RTs40°C)
Maximum Overload Capacity	1.2P (1 min)
Rated AC Charge / Discharge Current	180 A
Rated Output / Grid Voltage	400 V
Allowed Grid Voltage Range	400 V ±15% (on-grid) ±3% (off-grid)
Grid Frequency	50 / 60 Hz
Voltage Harmonic Distortion	<3% (linear load)
Grid Type	3P / N / PE
Power Factor	-0.99 to +0.99
PCS Cooling Method	Intelligent air cooling

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SYSTEM & OPERATING PARAMETERS

RV-CB-261-LC

MODEL	RV-CB-261-LC
SYSTEM & ENVIRONMENT	
Ingress Protection	IP54
Anti-corrosion Grade	C3
Max. System Efficiency	86%
Charge Operating Temperature	0°C to 55°C
Discharge Operating Temperature	-20°C to 55°C
Operating Temperature Range	-20°C to 55°C
Relative Humidity	0-95% (non-condensing)
Max. Working Altitude	3,000 m (derating above 2,000 m)
Communication	RS485 / Ethernet
Battery / System Cooling	Liquid cooling
Max. Parallel Connection	6 (off-grid)
Listed System Standards	IEC 62619, IEC 63056, EN 62477 EN IEC 61000, UN38.3

Battery/system cooling and PCS cooling are listed separately.

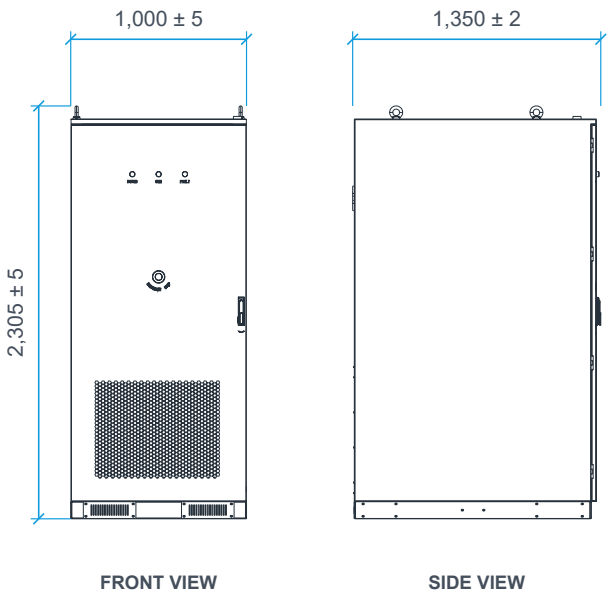
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DIMENSIONS & SHIPPING

RV-CB-261-LC

PRODUCT CONFIGURATION





Dimensions in mm.

Cabinet Dimensions (W × D × H)	1,000 ± 5 × 1,350 ± 2 × 2,230 ± 5 mm
Overall Height	2,305 ± 5 mm (including lifting eyes)
Net Weight	2,500 ± 100 kg

PACKING CONFIGURATION

Single Packing Dimensions	1,506 × 1,176 × 2,490.3 mm
Container Type	40'HQ
Pieces per Container	10

Cabinet height excludes lifting eyes; overall height includes them.