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LIQUID-COOLED OUTDOOR ENERGY STORAGE

RV-CB-261-LC

Commercial and industrial energy storage
with a side-mounted inverter.



125 kW	261 kWh	832 V	IP54
Rated Backup Output	Nominal Battery Energy	Nominal Battery Voltage	Enclosure Protection

Pre-assembled Design

Battery cabinet with a side-mounted inverter.

Liquid Cooling

Intelligent cooling for temperature management.

Multiple Safety Layers

DC and battery protection with fire suppression.

Smart Monitoring

Cloud platform with real-time status monitoring.

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BATTERY, PV & BACKUP 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	728-936 V
Max. Continuous Charge / Discharge Current	157 A
Charge / Discharge Rate	0.5P
Max. Charge / Discharge Efficiency	95% (25°C to 30°C, 0.5P)
Cycle Life	At least 6,000 cycles (25°C ± 2°C, 0.5P / 0.5P, 70% EOL)
PV PARAMETERS	
Max. DC Input Voltage	1,000 V
MPPT Voltage Range	180-850 V
DC Inputs	2 / 2 / 2 / 2 / 2 / 2 / 2 / 2
Max. Input Current	40 A × 8
BACKUP OUTPUT	
Rated Output Power	125 kW
On / Off-grid Switching Time	<10 ms
Peak Backup Output (10 s)	155 kW

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AC & OPERATING PARAMETERS

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MODEL	RV-CB-261-LC
AC OUTPUT PARAMETERS	
Max. AC Output Power	137.5 kW
Grid Type	3W + N + PE or 3W + PE
AC Output Frequency	50 / 60 Hz
AC Output Voltage	380 / 400 V
Voltage Harmonic Distortion	<3% (linear load)
Max. AC Output Current	198.5 A
Power Factor	0.8 leading to 0.8 lagging
SYSTEM & ENVIRONMENT	
Ingress Protection	IP54
Anti-corrosion Grade	C3
Max. System Efficiency	88%
Operating Temperature Range	-20°C to 55°C
Relative Humidity	90% max. (non-condensing)
Max. Working Altitude	3,000 m (derating above 2,000 m)
Communication	CAN / RS485 / WiFi / LAN (optional)
Cooling Method	Liquid cooling
Max. Parallel Connection	5

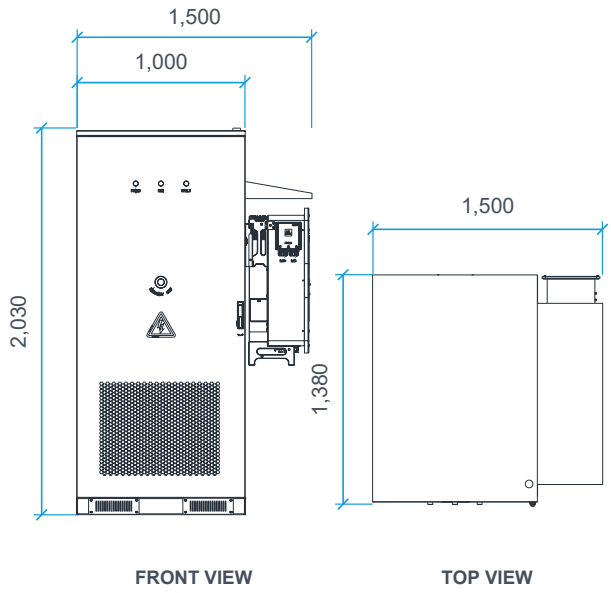
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DIMENSIONS & SHIPPING

RV-CB-261-LC

PRODUCT CONFIGURATION





Dimensions in mm.

System Dimensions (W × D × H)	1,500 × 1,380 × 2,030 mm (width includes rain shield)
DC Cabinet Net Weight	2,300 kg
Inverter Net Weight	164 kg

PACKING CONFIGURATION

Single Packing Dimensions	1,100 × 1,506 × 2,200 mm
Container Type	40'HQ
Pieces per Container	10

DC cabinet and inverter weights are listed separately.