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LIQUID-COOLED OUTDOOR ENERGY STORAGE

RV-CB-215/372-LC

Integrated energy storage
for commercial and industrial use.



215.04 kWh	372.73 kWh	100 / 200 kW	IP54
RV-CB-215-LC Energy	RV-CB-372-LC Energy	Rated On-grid Power	Enclosure Protection

Liquid Cooling

Cell temperature difference: ≤2°C.

Equipment-level EMS

Real-time system monitoring.

Safety Protection

Electrical protection and fire alarms.

Pre-installed Design

Integral transportation and installation.

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TECHNICAL SPECIFICATIONS

RV-CB-215/372-LC

MODEL	RV-CB-215-LC	RV-CB-372-LC
BATTERY PARAMETERS		
Battery Type	LiFePO4	
Rated Charge / Discharge Performance	0.5C / 1C	
Nominal Battery Voltage	768 V	1331.2 V
Operating Voltage Range	672-876 V	1164.8-1497.6 V
Cell Rated Capacity	280 Ah	280 Ah
Nominal Battery Energy	215.04 kWh	372.73 kWh
Battery Configuration	1P240S	1P416S
AC OUTPUT - ON GRID		
Rated Output Power	100 kW	200 kW
Max. Output Current	159 A	167 A
Rated Grid Voltage	3/N/PE, 230/400 V	3/PE, 690 V
Rated Grid Frequency	50 / 60 Hz	
Power Factor	>0.99	
Power Factor Adjustable Range	0.9 leading to 0.9 lagging	
DC Component	<0.5% In	
THDi	<3% (@ rated power)	

Shared values apply to both models. In denotes rated current.

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CABINET & OPERATING PARAMETERS

RV-CB-215/372-LC

MODEL CONFIGURATIONS



RV-CB-215-LC

1400 x 1400 x 2200 mm

2200 kg



RV-CB-372-LC

1400 x 1300 x 2350 mm

3500 kg

Front view illustrations. Dimensions: W x D x H.

GENERAL DATA

Ingress Protection	IP54	
Battery Cooling Method	Liquid cooling system	
Fire Fighting System	Yes	
Relative Humidity	0-95%, non-condensing	
Operating Temperature	-20°C to +50°C	
Max. Altitude	5000 m (derating above 1000 m)	
Communication Interface	RS485 / CAN	
Communication Protocol	Modbus / IEC104	
Weight	2200 kg	3500 kg
Dimensions (W x D x H)	1400 x 1400 x 2200 mm	1400 x 1300 x 2350 mm
Delivery Method	Integral transportation	

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LIQUID COOLING & SYSTEM CONFIGURATION

RV-CB-215/372-LC

THERMAL MANAGEMENT

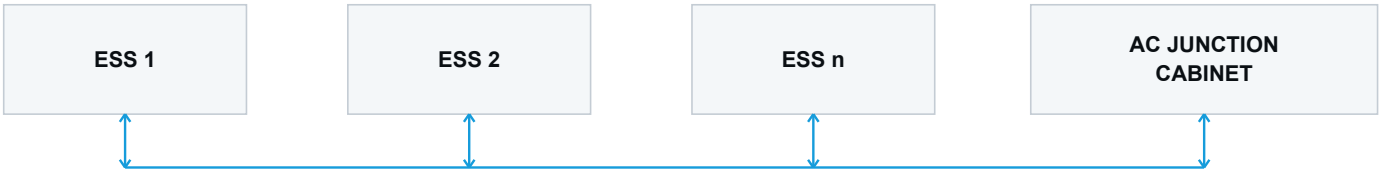
≤2°C

Cell temperature difference across the battery pack

Thermal uniformity

Non-uniformly distributed liquid cooling pipelines reduce temperature differences between cells across the battery pack.

FLEXIBLE CABINET COMBINATIONS



Multiple ESS cabinets connected through an AC junction cabinet.

AC OUTPUT - OFF GRID

MODEL	RV-CB-215-LC	RV-CB-372-LC
Rated Output Power	100 kW	/
Max. Output Current	159 A	/
Rated Output Voltage	3/N/PE, 230/400 V	/
Rated Output Frequency	50 / 60 Hz	/
Unbalanced Load Capacity	100%	/

/ indicates parameters not specified for RV-CB-372-LC.

APPLICATIONS

- **Peak-load Shifting**
- **Power Expansion**
- **Backup Power (RV-CB-215-LC)**
- **Demand Response**