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OUTDOOR ALL-IN-ONE ENERGY STORAGE

RV-CB-3060 / 5060

Integrated energy storage
for commercial and industrial use.



30 / 50 kVA	60 kWh	614.4 V	IP55
Rated AC Power	Rated Battery Energy	Rated Battery Voltage	Enclosure Protection

All-in-One Design

Integrated battery storage with PCS and PV input.

Outdoor Cabinet

IP55-rated enclosure for outdoor applications.

Air Cooling

Air-cooled system thermal management.

Flexible Expansion

Capacity and power options on the DC and AC sides.

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TECHNICAL SPECIFICATIONS

RV-CB-3060 / 5060

MODEL	RV-CB-3060	RV-CB-5060
BATTERY PARAMETERS		
Number of Battery Packs	12	
Rated Voltage	614.4 V	
Voltage Range	537.5-691.2 V	
Rated Energy	60 kWh	
Max. Charge / Discharge Current	100 A	
Communication	RS485 / CAN	
Cycle Life	6000 cycles	
PV PARAMETERS		
Max. PV Input Power	39 kW	65 kW
Rated Input Voltage	600 VDC	
Max. Input Voltage	1000 VDC	
MPPT Voltage Range	200-850 VDC	
PV Input Current	36 + 36 + 36 A	36 + 36 + 36 + 36 A
AC PARAMETERS		
Rated AC Input / Output Power	30 kVA	50 kVA
Max. AC Input / Output Power	33 kVA	55 kVA
Rated AC Input / Output Current	45.6 A	75.8 A
Max. AC Input / Output Current	60 A	83.3 A
Voltage	3L / N / PE; 230 / 400 V	
Frequency	50 / 60 Hz	
THDi	≤3%	
Power Factor	0.8 leading to 0.8 lagging	

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CABINET & OPERATING PARAMETERS

RV-CB-3060 / 5060



Product appearance illustration

SYSTEM SPECIFICATIONS

Dimensions W x H x D (mm)	1200 x 2160 x 750
Weight (3060 / 5060)	860 / 880 kg
Communication	CAN / RS485 / WiFi / ETH
Warranty	5 years
Enclosure Protection	IP55
Cooling	Air cooling
Ambient Temperature	-30°C to 50°C
Humidity	10%-95% RH
Altitude	<2000 m
Certifications	UN38.3 / CE / IEC62619 / VDE-AR-N 4105 / IEC 62109

OPERATING FLEXIBILITY

Self-consumption

Store energy for local use.

Peak Shifting

Shift energy use across peak periods.

Forced Charge / Discharge

Select forced charging or discharging modes.

Flexible Expansion

Support expansion on both DC and AC sides.

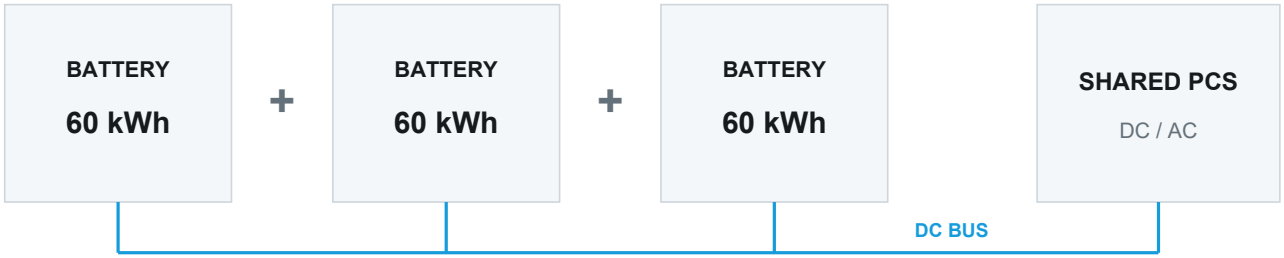
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SYSTEM EXPANSION

RV-CB-3060 / 5060

DC-SIDE EXPANSION

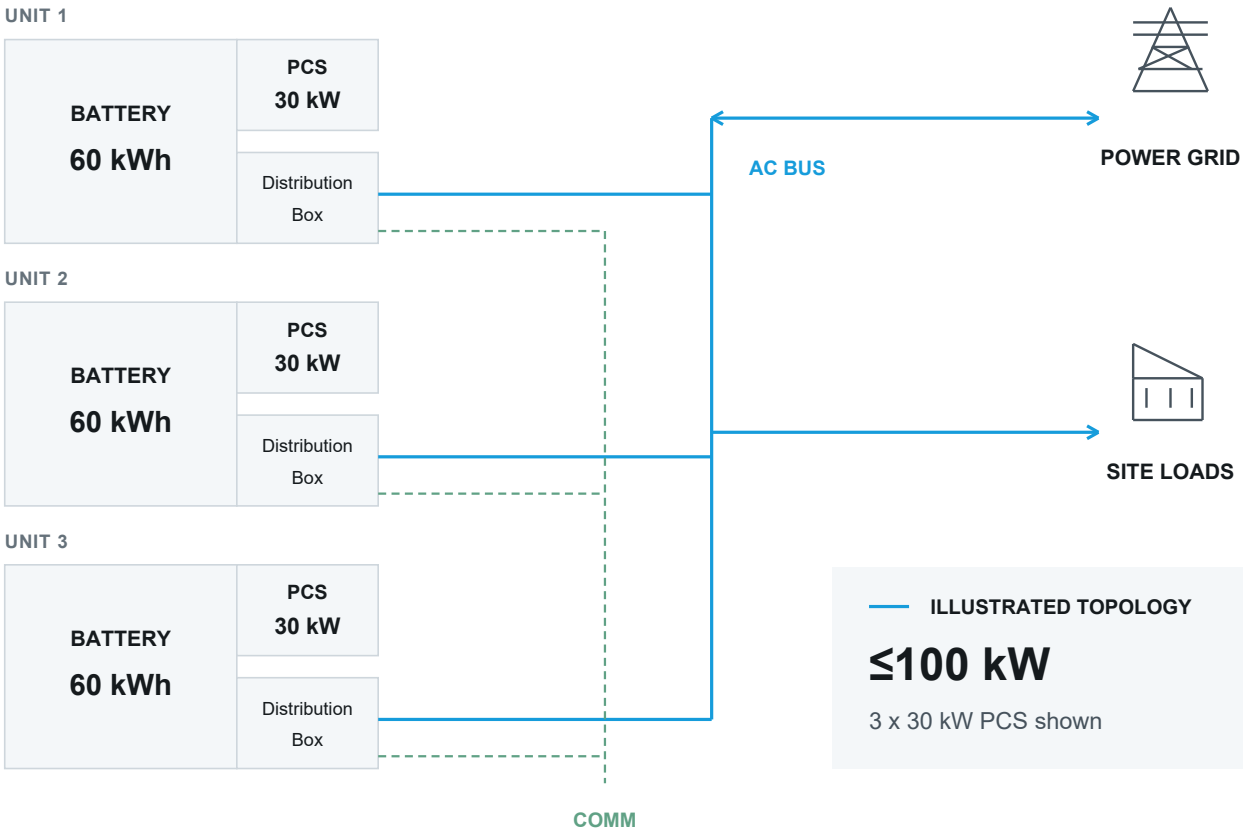
BATTERY CABINETS



Expand battery capacity on the DC side.

AC-SIDE EXPANSION & TOPOLOGY

30 kW / 60 kWh configuration example



ILLUSTRATED TOPOLOGY

≤100 kW

3 x 30 kW PCS shown