

R SERIES

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SAIL SOLAR

RACK HIGH VOLTAGE LITHIUM BATTERY



Flexible Expansion



Battery Protection



Long-term Reliability



Economic

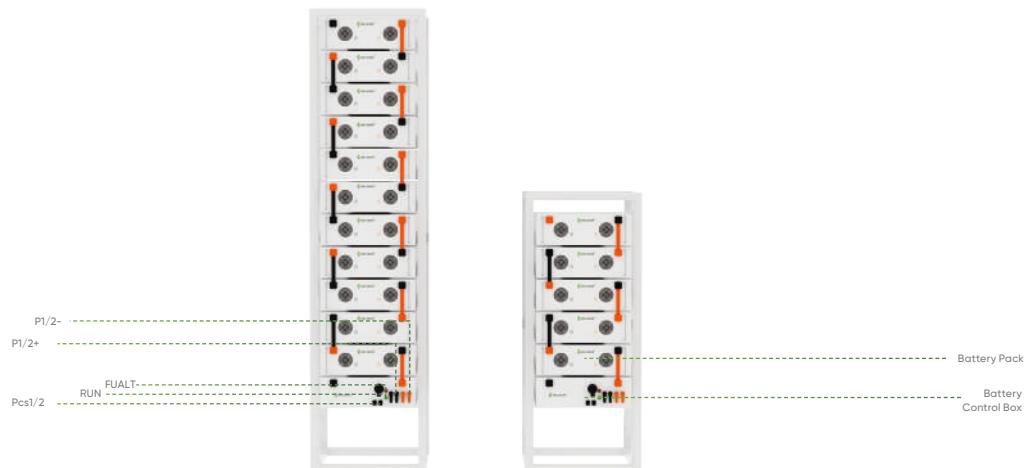


Wide Compatibility



IP20

System Productization



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DATASHEET

MODEL

Battery Type	LiFePO4			
Nominal Battery Energy	10.24kWh			
Nominal Capacity	200Ah			
Nominal Voltage	51.2V			
Net Weight	80kg			
Dimension(W/D/H)	442/620/223mm			
Communication	RS232/RS485/CAN/BLUETOOTH/WIFI			
Cycle Life*	6000 cycles 80% DOD,0.5C			
Protection Level	IP20			
Expansion	Up to 15 units in series			
Compatible Inverters	Deye/GoodWe/Solis/SAJ/Sinexcel/Hoymiles/Growatt/Ecatus/Sermatec/ATESS/Sunways etc.			
Certification & Safety Standard	UN38.3, MSDS, IEC62619, CE, UL1973, UL2054			
Rack Type	SAS-30.72KWH-R	SAS-40.96KWH-R	SAS-51.2KWH-R	SAS-61.44KWH-R
Battery Module Quantity	3units	4units	5units	6units
Nominal Battery Energy	30.72kWh	40.96kWh	51.2kWh	61.44kWh
Nominal Capacity	200Ah	200Ah	200Ah	200Ah
Nominal Voltage	153.6V	204.8V	256.0V	307.2V
Max.Power Output	30.72kW	40.96kW	51.2kW	61.44kW
Discharge Cut-off Voltage	132V	176V	220V	264V
Charge Cut-off Voltage	170.4V	227.2V	284V	340.8V
Recommend Charging Current	100A	100A	100A	100A
Recommend Discharging Current	100A	100A	100A	100A
Max Charge/Disharge Working Current (A)	200A	200A	200A	200A
Net Weight	294KG	392KG	490KG	588KG
Working temperature	Charge : 0 ~ 55 C / Discharge : -20 C ~ 55 C			
Design Life	10 years+			

*File version: 2026V1-EN

*Weight and Size of the battery module is based on the actual product,

*Specifications may vary during continuous improvements, pls contact us for latest details.

*The installation of battery packs is related to product quality assurance, safe and stable operation. Please follow the requirements of the user manual for standardized installation, use, and routine maintenance

*Each column can hold a maximum of 8 batteries plus one high-voltage box, please confirm the number of batteries per column with the sales team



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