RACK HIGH VOLTAGE

51.2V 200Ah

LITHIUM Battery



PRODUCT FEATURE

- FLEXIBLE EXPANSION
- BATTERY PROTECTION
- LONG-TERM RELIABILITY
- ECONOMIC
- WIDE COMPATBILITY
- IP20

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SAIL SOLAR

RACK HIGH VOLTAGE LITHIUM BATTERY

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*	8000 cycles 90% 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℃ / Discharge : -20℃ ~ 55℃			
Design Life	15 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 contactus 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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