

R SERIES

RACK HIGH VOLTAGE LITHIUM BATTERY



Flexible Expansion



Battery Protection



Long-term Reliability



Economic

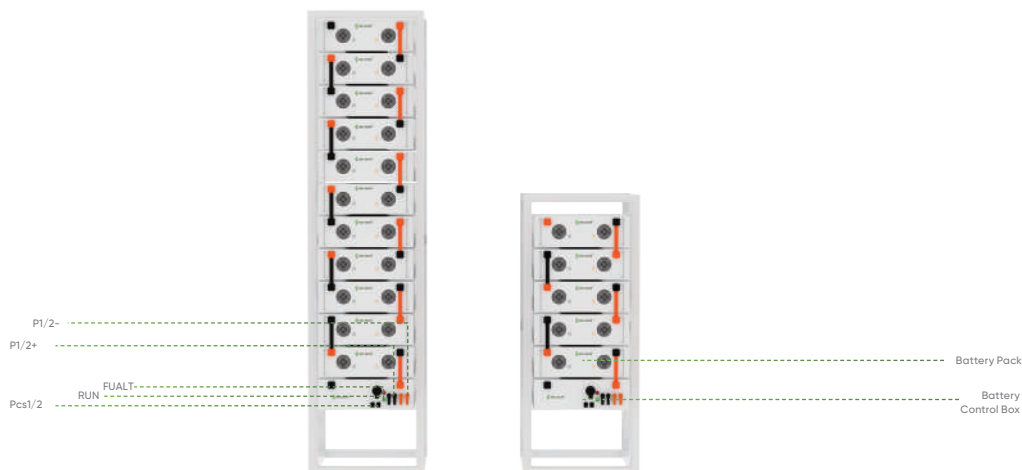


Wide Compatibility



IP20

System Productization



RACK HIGH VOLTAGE LITHIUM BATTERY

DATASHEET

MODEL

Battery Type	LiFePO ₄
Nominal Battery Energy	5.12kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Net Weight	43.5kg
Dimension(W/D/H)	440/420/133mm
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-20.48KWH-R	SAS-25.6KWH-R	SAS-30.72KWH-R	SAS-35.84KWH-R
Battery Module Quantity	4units	5units	6units	7units
Nominal Battery Energy	20.48kWh	25.6kWh	30.72kWh	35.84kWh
Nominal Capacity	100Ah	100Ah	100Ah	100Ah
Nominal Voltage	204.8V	256.0V	307.2V	358.4V
Max.Power Output	20.48kW	25.6kW	30.72kW	35.84kW
Discharge Cut-off Voltage	176V	220V	264V	308V
Charge Cut-off Voltage	227.2V	284V	340.8V	397.6V
Recommend Charging Current	50A	50A	50A	50A
Recommend Discharging Current	50A	50A	50A	50A
Max Charge/Discharge Working Current (A)	100A	100A	100A	100A
Net Weight	220KG	270KG	320KG	370KG
Working temperature	Charge : 0 ~ 55 °C / Discharge : -20 °C ~ 55 °C			
Design Life	10 years+			
Dimension(W/D/H)(mm)	600*550*760	600*550*912	600*550*1004	600*550*1216
Module Quantity and Configuration	4 Units in series	5 Units in series	6 Units in series	7 Units in series

*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 10 batteries plus one high-voltage box, please confirm the number of batteries per column with the sales team.

