

R SERIES

RACK HIGH VOLTAGE LITHIUM BATTERY



Flexible Expansion



Battery Protection



Long-term Reliability



Economic

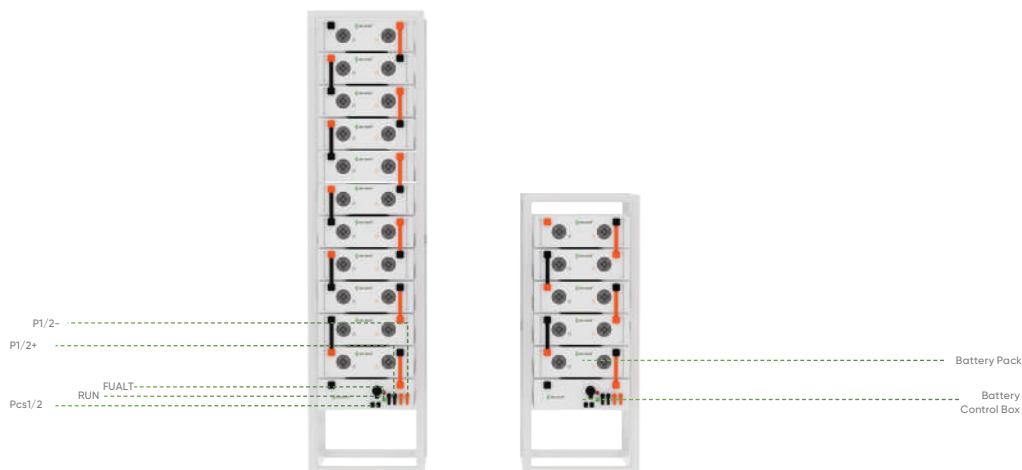


Wide Compatibility



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
Charging Temp. Range	0-55°C
Discharging Temp. Range	-20-55°C
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	60A	60A	60A	60A
Recommend Discharging Current	60A	60A	60A	60A
Max Charge/Discharge Working Current (A)	100A	100A	100A	100A
Net Weight	220KG	270KG	320KG	370KG
Working temperature	0-50°C Charge -10-50°C Discharge			
Transport or Storage Temperature Range	-20-60°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

