

R SERIES

RACK HIGH VOLTAGE LITHIUM BATTERY



Flexible Expansion



Battery Protection



Long-term Reliability



Economic

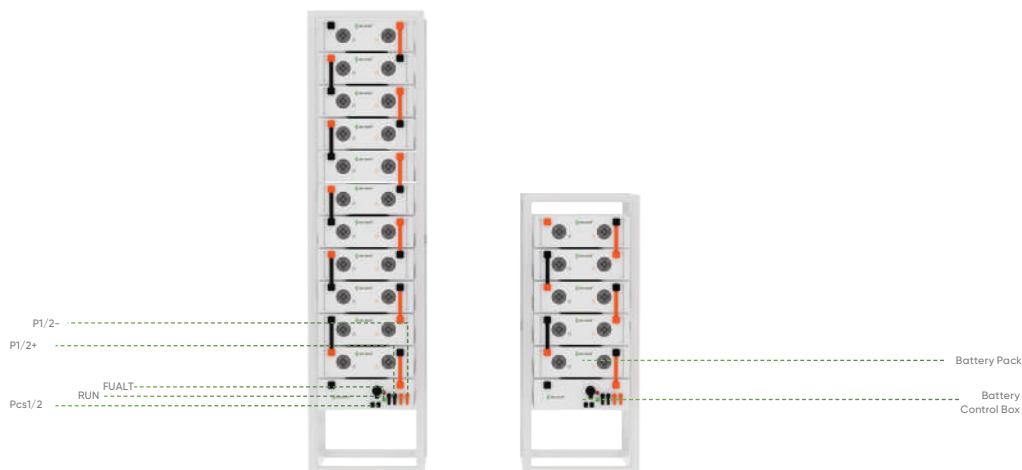


Wide Compatibility



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-40.96KWH-R	SAS-46.08KWH-R	SAS-51.2KWH-R	SAS-56.32KWH-R
Battery Module Quantity	8units	9units	10units	11units
Nominal Battery Energy	40.96kWh	46.08kWh	51.20kWh	56.32kWh
Nominal Capacity	100Ah	100Ah	100Ah	100Ah
Nominal Voltage	409.6V	460.8V	512V	563.2V
Max.Power Output	40.96kW	46.08kW	51.20kW	56.32kW
Discharge Cut-off Voltage	352V	396V	440V	484V
Charge Cut-off Voltage	454.4V	511.2V	568V	624.8V
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	420KG	470KG	520KG	570KG
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*1368	600*550*1520	600*550*1672	600*550*1825
Module Quantity and Configuration	8 Units in series	9 Units in series	10 Units in series	11 Units in series

