

R SERIES

RACK HIGH VOLTAGE LITHIUM BATTERY



-  Flexible Expansion
-  Battery Protection
-  Long-term Reliability
-  Economic
-  Wide Compatibility
-  IP20

Appearance



Appearance A



Appearance B

Appearance A and B are available for selection



RACK HIGH VOLTAGE LITHIUM BATTERY

DATASHEET

MODEL

Battery Type	LiFePO ₄
Nominal Battery Energy	14.336kWh
Nominal Capacity	280Ah
Nominal Voltage	51.2V
Net Weight	114kg
Dimension(W/D/H)	483/245/792mm
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-157.6KWH-R	SAS-172KWH-R	SAS-186.3KWH-R	SAS-200.7KWH-R	SAS-215.04KWH-R
Battery Module Quantity	11units	12units	13units	14units	15units
Nominal Battery Energy	157.6kWh	172kWh	186.3kWh	200.7kWh	215.04kWh
Nominal Capacity	280Ah	280Ah	280Ah	280Ah	280Ah
Nominal Voltage	563.2V	614.4V	665.6V	716.8V	768V
Max.Power Output	157.6kW	172kW	186.3kW	200.7kW	215.04kW
Discharge Cut-off Voltage	484V	528V	572V	616V	660V
Charge Cut-off Voltage	624.8V	681.6V	738.4V	795.2V	852V
Recommend Charging Current	100A	100A	100A	100A	100A
Recommend Discharging Current	100A	100A	100A	100A	100A
Max Charge/Discharge Working Current (A)	200A	200A	200A	200A	200A
Net Weight	1460KG	1593KG	1726KG	1860KG	2000KG
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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