

Stackable High Voltage Lithium Battery

SAS51314-HV

51.2V 314Ah

LFP Battery



PRODUCT FEATURE



HIGH CYCLE LIFE

Can achieve 6000 cycles at 90% state of charge, effectively reducing total cost of ownership.



FAST CHARGING SPEED

High charge and discharge efficiency, reducing equipment downtime and saving more time.



HIGHLY ADAPTABLE

Strong environmental adaptability, can withstand up to 60°C.



SAFER

Real-time monitoring of PDU for better system protection.



EASY TO STORE

Due to its extremely low self-discharge rate (LSD) and no risk of sulfation, it can last up to 6 months.



EASY TO STORE

Lithium batteries provide more watt-hours per kilogram while weighing only one-third of their SLA equivalents.



HIGH VOLTAGE LITHIUM BATTERY

DATASHEET

MODEL

Battery Type	LiFePO4			
Nominal Battery Energy	16.07kWh			
Nominal Capacity	314Ah			
Nominal Voltage	51.2V			
Net Weight	119kg			
Dimension(W/D/H)	798*478*278mm			
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			
Stackable Type	SAS-192.84kWh-Z	SAS-208.91kWh-Z	SAS-224.98kWh-Z	SAS-241.05kWh-Z
Battery Module Quantity	12units	13units	14units	15units
Nominal Battery Energy	192.84kWh	208.91kWh	224.98kWh	241.05kWh
Nominal Capacity	314Ah	314Ah	314Ah	314Ah
Nominal Voltage	614.4V	665.6V	716.8V	768V
Max.Power Output	192.84kW	208.91kW	224.98kW	241.05kW
Discharge Cut-off Voltage	528	572	616	660
Charge Cut-off Voltage	681.6	738.4	795.2	852
Recommend Charging Current	100	100	100	100
Recommend Discharging Current	100	100	100	100
Max Charge/Disharge Working Current (A)	200	200	200	200
Net Weight	1,428KG	1,547KG	1,666KG	1,785KG
Working temperature	Charge : 0 ~ 55°C / Discharge : -20°C ~ 55°C			
Transport or Storage Temperature Range	-20~60°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 5 batteries plus one high-voltage box, please confirm the number of batteries per column with the sales team



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