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 efficien - cy, reducing equipment downtime and saving more time.

HIGHLY ADAPTABLE

Strong environmental adaptability, can withstand up to 60℃.

SAFER

Real-time moni toring of PDU for better sys tem p rotection.

EASY TO STORE

Due to its extremely low self-dis- charge 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 equi valents.

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SAIL SOLAR

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*	8000 cycles 90% 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-112.49kWh-Z	SAS-128.56kWh-Z	SAS-144.63kWh-Z	SAS-160.7kWh-Z	SAS-176.77kWh-Z
Battery Module Quantity	7units	8units	9units	10units	11units
Nominal Battery Energy	112.49kWh	128.56kWh	144.63kWh	160.7kWh	176.77kWh
Nominal Capacity	314Ah	314Ah	314Ah	314Ah	314Ah
Nominal Voltage	358.4V	409.6V	460.8V	512V	563.2V
Max.Power Output	112.49kW	128.56kW	144.63kW	160.7kW	176.77kW
	308	352	396	440	484
	397.6	454.4	511.2	568	624.8
Recommend Charging Current	100	100	100	100	100
Recommend Discharging Current	100	100	100	100	100
Max Charge/Disharge Working Current（A）	200	200	200	200	200
Net Weight	833KG	952KG	1,071KG	1,190KG	1,309KG

Working temperature	Charge : 0 ~ 55℃ / Discharge : -20℃ ~ 55℃
Transport or Storage Temperature Range	-20-60°C
Design Life	15 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 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 5 batteries plus one high-voltage box, please confirm the number of batteries per column with the sales team

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