

Stackable High Voltage Lithium Battery

SAS51280-HV

51.2V 280Ah

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.



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HIGH VOLTAGE LITHIUM BATTERY

DATASHEET

MODEL

Battery Type	LiFePO4			
Nominal Battery Energy	14.336kWh			
Nominal Capacity	280Ah			
Nominal Voltage	51.2V			
Net Weight	115.2kg			
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-43KWH-Z	SAS-57.3KWH-Z	SAS-71.6KWH-Z	SAS-86.01KWH-Z
Battery Module Quantity	3units	4units	5units	6units
Nominal Battery Energy	43kWh	57.3kWh	71.6kWh	86.01kWh
Nominal Capacity	280Ah	280Ah	280Ah	280Ah
Nominal Voltage	153.6V	204.8V	256.0V	307.2V
Max.Power Output	43kW	57.3kW	71.6kW	86.01kW
Discharge Cut-off Voltage	132V	176V	220V	264V
Charge Cut-off Voltage	170.4V	227.2V	284V	340.8V
Recommend Charging Current	100A	100A	100A	100A
Recommend Discharging Current	100A	100A	100A	100A
Max Charge/Disharge Working Current (A)	200A	200A	200A	200A
Net Weight	345.6KG	460.8KG	576KG	691.2KG
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 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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