

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.



Email: info@sailsolarpv.com Web: www.sailsolarpv.com www.sailsolares.com
Add: Cross Border E-Commerce Supervision Zone, Yulei Road, Hefei, Anhui, China

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-100.3KWH-Z | SAS-114.6KWH-Z | SAS-129KWH-Z | SAS-143.3KWH-Z |
| Battery Module Quantity | 7units | 8units | 9units | 10units |
| Nominal Battery Energy | 100.3kWh | 114.6kWh | 129kWh | 143.3kWh |
| Nominal Capacity | 280Ah | 280Ah | 280Ah | 280Ah |
| Nominal Voltage | 358.4V | 409.6V | 460.8V | 512V |
| Max.Power Output | 100.3kW | 114.6kW | 129kW | 143.3kW |
| Discharge Cut-off Voltage | 308V | 352V | 396V | 440V |
| Charge Cut-off Voltage | 397.6V | 454.4V | 511.2V | 568V |
| 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 | 806.4KG | 921.6KG | 1,036.8KG | 1,152KG |
| 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 5 batteries plus one high-voltage box, please confirm the number of batteries per column with the sales team



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