



X Series Lithium Battery

51.2V 100AH 5.12KWH

- **Safety and Intelligent**

Long life LiFePO4 cells, high energy density, build in BMS and passive protection

- **Easy to Install and Use**

Modular design, simple operation

- **Long Life Span**

10 years design life, more than 6000cycles

- **Adaptable to Harsh Environment**

Adapt to wide range of temperature and humidity

- **Support Bluetooth/WIFI function (optional)**

Can be controlled remotely to reduce operation and maintenance costs

- **Multi-scenario application**

Household use, small industrial and commercial applications



Technical Parameters

Module ID	SAS51100
Nominal voltage(V)	51.2
Nominal capacity(AH)	100
Energy(KWH)	5.12
Internal Resistance	≤200mΩ
Cycle Life	≥6000 (25℃±2℃, 0.5C / 0.5C, 90%DOD)
Months Self Discharge	<3%
Charge Mode	CC/CV
Operating Voltage (V)	43.2~57.6(Max discharge/Max charge)
Max (Dis)charge Current(A)	100
Recommend (Dis)charge Current(A)	50
BMS(A)	100
Operating Temperature	Charge : 0 ~ 55℃ / Discharge : -20℃ ~ 55℃
Water Dust Resistance	IP20(IP54 OPTIONAL)
Cell & Method	3.2V100Ah-16S1P
Protocol (optional)	RS232/RS485/CAN/BLUETOOTH/WIFI
Safety & Certification	CELL:UL1642/UL1973/IEC62619/CE/CB/UN38.3/UL9540/ROHS/REACH
Compatible Inverters	Deye/GoodWe/Solis/SAJ/Sinexcel/Hoymiles/Growatt/Ecatus/Sermatec/ATESS/Sunways etc.
Neight Weight (kg)	47
Gross Weight (kg)	52
Size (mm)	550*482*133(D*W*H)
Package Size (mm)	652*542*205
Qty of Loading	300pcs 20ft/520pcs 40ft

Notes

*File version: 2026V1-EN

*Weight and Size of the battery module is based on the actual product, with a tolerance of * 3% allow

*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