SAIL SOLAR

Lithium Battery
51.2V   280AH   14336wh

- **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

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Lithium Battery

Technical Parameters

Nominal voltage	51.2V
Nominal capacity	280Ah
Energy	14336wh
Interal Resistance	≤200mΩ
Cycle Life	>6000 cycles @ 0.2C 80%D.O.D
Months Self Discharge	<3%
Efficiency of Charge	99.5%@ 0.2C
Effciency of Discharge	96-99%@ 1C
Charge Voltage	58.4±0.5V
Charge Mode	CC/CV
Charger Current	40A
Max Charge Current	200A
Charge Cut-off Voltage	58.4
Continuous discharge Current	40A
max discharge Current	200A
Discharge Cut-off Voltage	43.2V
Charge Temperature	0℃ to 45 ℃
Discharge Temperature	-20℃ to 55 ℃
Storage Temperature	-10℃ to 40 ℃
Water Dust Resistance	IP20
Cell & Method	EVE 3.2V280Ah-16S1P
Terminal	200A
Protocol (optional)	RS232/RS485/CAN/BLUETOOTH/WIFI
BMS	200A
Safety & Certification	CELL:UL1642/UL1973/IEC62619/CE/CB/UN38.3/UL9540/ROHS/REACH
Size (mm)	772*460*237(D*W*H)
Net weight (kg)	114KG
Wooden box package size (mm)	940*555*405
Quantity of loading	120pcs/20ft 240pcs/40ft

Notes

*1 Test conditions: Based on the factory date, charge and discharge rate at 0.2C at 100% discharge depth (DoD) and 25 ℃

*2 The weight of the battery module is based on the actual product, with a tolerance of ± 3% allowed

*3 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

Compatibility Inverters

*Only a part of inverter brands are shown, please contact us for more information.

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