

SR 2000

Solar Photovoltaic Systems



Features



No fear of awkward silences --call now

- With a built-in heating film, it supports charging heating, enabling you to freely use electricity even under low-temperature conditions.



Long-lasting battery life, your enduring partner

- With a built-in LiFePO4 battery, the number of cycle life can reach more than 6000.



Mastering energy is at your fingertips

- Monitor device data .
- Provide real-time alerts for warning and protection information.
- Support OTA (Over-The-Air) firmware upgrades for devices.
- Set charging and discharging plans, as well as AI plans.



Multiple interfaces, multiple applications

Specification Sheet

Battery

Rated capacity	50Ah
Rated voltage	51.2V
Rated capacity	2560Wh
Battery type	LiFePO4
Voltage operating range type	44.8–58.4
Maximum charging current	50A
Maximum discharging current	50A
Heating film	Support
Cycle times	6000

Photovoltaic input

Operating voltage range	10–100Vdc
Maximum input voltage	100Vdc
Maximum input current	16A*2
Maximum input power	1000W*2

AC grid connection

Grid type	Unidirectional
Rated voltage	230Vdc
Rated AC frequency	50Hz
Maximum continuous output power	2400W
Maximum continuous output current	10.9A
Maximum continuous input power	2400W
Maximum continuous input current	10.9A

Off-grid AC port

Grid type	Unidirectional
Rated AC voltage	230Vac
Rated AC frequency	50Hz
Maximum continuous output power	2400W
Maximum continuous output current	10.9A

Structural information

Dimensions	446*180*568mm
Weight	36.2kg
Protection level	IP65

Environmental parameters

Allowed operating ambient temperature	-20~60°C
Relative humidity	5 to 95% @No condensation

Altitude

Communication	≤2000m
Communication interface	WIFI, Bluetooth, RS485
Certification	Rohs2.0, CE, CB, EMC, VDE-AR-N 4105, UN38.3, EN50549

*The above data are based on test records in a controlled environment, and the actual usage depends on external environmental conditions.