

# SR 5000

## Solar Photovoltaic Systems



## Features



**Multiple interfaces,  
multiple applications**



**Compatible with Any PV**

- Upgrade existing PV systems with storage systems



**Reliable and Long-lasting  
Battery**

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



**No fear of awkward silences  
--call now**

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



**Power Balcony Solar  
Storage System**

- Max.2Kw PV Input | 2 MPPT



**Supports parallel operation**

- Maximum capacity: 20.48 Kwh



**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.

# Specification Sheet

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## Battery

Rated capacity	50Ah
Rated voltage	51.2V
Rated capacity	5120Wh
Battery type	LiFePO <sub>4</sub>
Voltage operating range type	44.8–58.4
Maximum charging current	60A
Maximum discharging current	60A
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
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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	520*181*715mm
Weight	59 ± 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	CB, CE-LVD/EMC/RED, RoHS, WEEE, EN 50549-1/10, C10/11, VDE 4105, CEI 0-21, UN38.3

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