

Anytime Anywhere Any energy

Solar Photovoltaic Systems

SR5000

5120Wh



SOLAR PODS

No fear of awkward silences —call now!

-20°C

The minimum operating
temperature

60°C

The highest working
temperature

With a built-in heating film, it supports charging and discharging 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.



6000+

Mastering energy is at your fingertips.

Through the Voltdeer App, remote control and management support functions for SR5000 are enabled:

- Monitor device data such as power level, grid connection, off-grid status, and photovoltaic power;
 - 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.

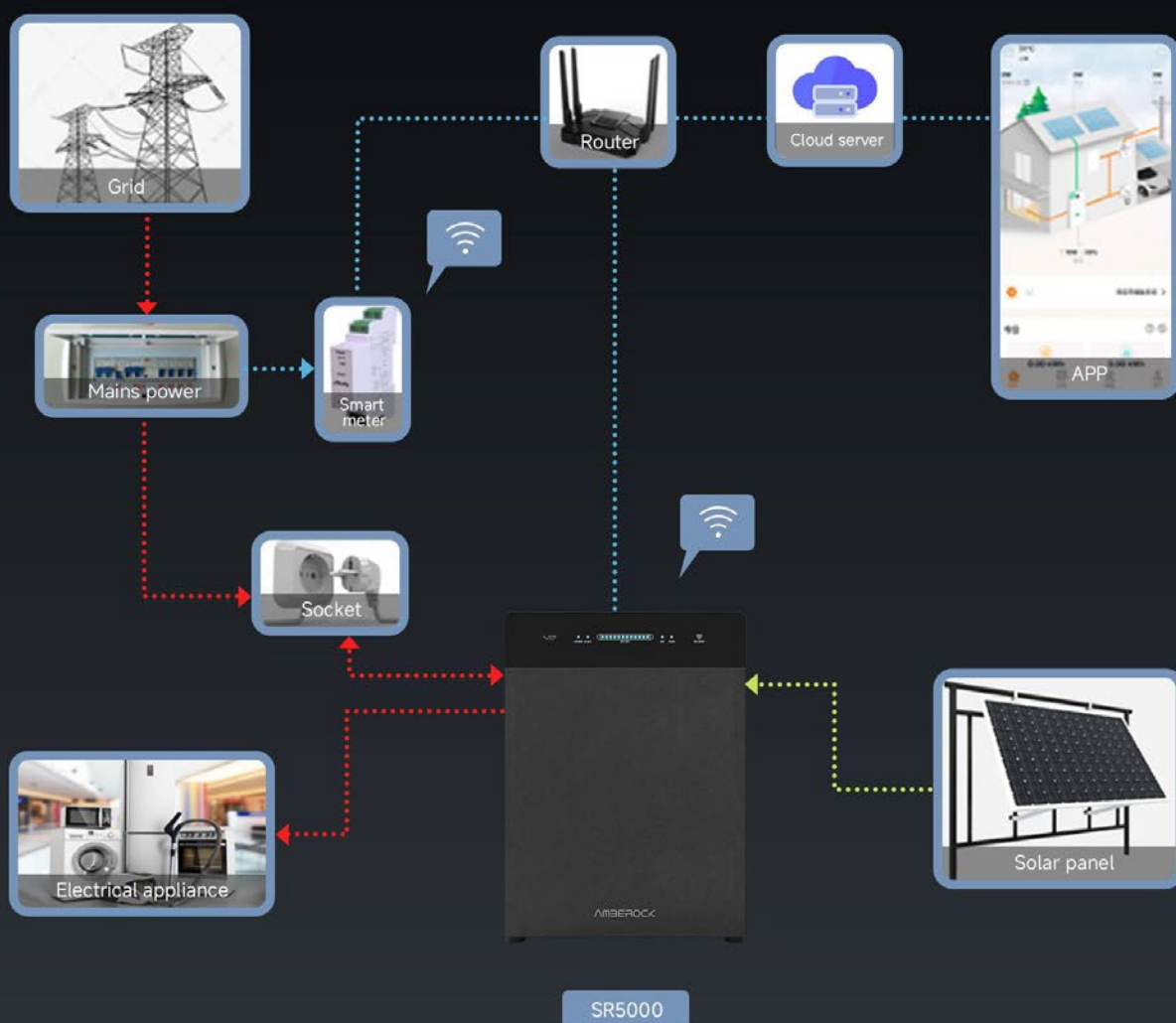




Grid-connected power: Default 800W, maximum 2400W.

Off-grid power: 2400W, supports UPS with switching time <10ms.

PV support: 2 channels, single channel maximum support 10-100V, 1000W Max.



IEC62619、IEC60730、IEC62109-1/2、IEC62477、
EN61000-1/3、EN300328、EN301489、EN62311/EN50665、
IEC18031-1/2、EN 50549-1/2、EN50549-10、VDE4105、
VDE0124、C10/11、RoHS、REACH、WEEE、UN38.3



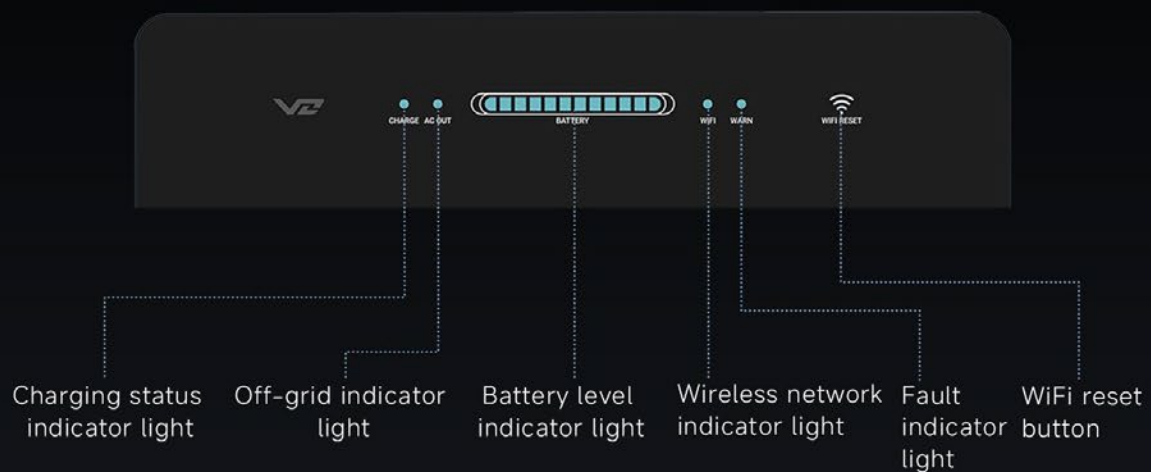
CHARGE AC OUT



WIFI WARN



Multiple interfaces, multiple applications.



Circuit breaker

Switch

AC grid-connected interface

Grounding port

AC off-grid interface



RS485

PV1+

PV1-

PV2+

PV2-

WIFI

RS485

Photovoltaic interface

WIFI antenna



Specification Sheet

| Battery | |
|-------------------------------------|----------------|
| Rated capacity (Ah) | 100 |
| Rated voltage (V) | 51.2 |
| Rated capacity (Wh) | 5120 |
| Battery type | LiFePO4 |
| Voltage operating range type | 44.8-58.4 |
| Maximum charging current (A) | 50 |
| Maximum discharging current (A) | 50 |
| Heating film | Support |
| Cycle times | 6000 |
| Photovoltaic input | |
| Operating voltage range (Vdc) | 10-100 |
| Maximum input voltage (Vdc) | 100 |
| Maximum input current (A) | 16*2 |
| Maximum input power (W) | 1000*2 |
| AC grid connection | |
| Grid type | Unidirectional |
| Rated voltage (Vdc) | 230 |
| Rated AC frequency (Hz) | 50 |
| Maximum continuous output power (W) | 2400 |

| | |
|---------------------------------------|------|
| Maximum continuous output current (A) | 10.9 |
| Maximum continuous input power (W) | 2400 |
| Maximum continuous input current (A) | 10.9 |

Off-grid AC port

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

Structural information

| | |
|------------------|---------------|
| Dimensions (mm) | 520*181*715mm |
| Weight (kg) | 60 |
| Protection level | IP65 |

Environmental parameters

| | |
|--|---------------------------|
| Allowed operating ambient temperature (°C) | -20~60 |
| 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.