

VOLTDEER

Energy Freedom Anytime Anywhere

All-in-One Solar ESS

SR5000

5120Wh



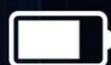
Plug & Play



Input
2.4kW



Output
800W/2.4kW



Capacity
5.12kWh



Backup Essential Loads



Max. Output
2.4kW



Switchover in
10ms

Reliable and Long-lasting Battery

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



6000+



Life Cycles
6000+

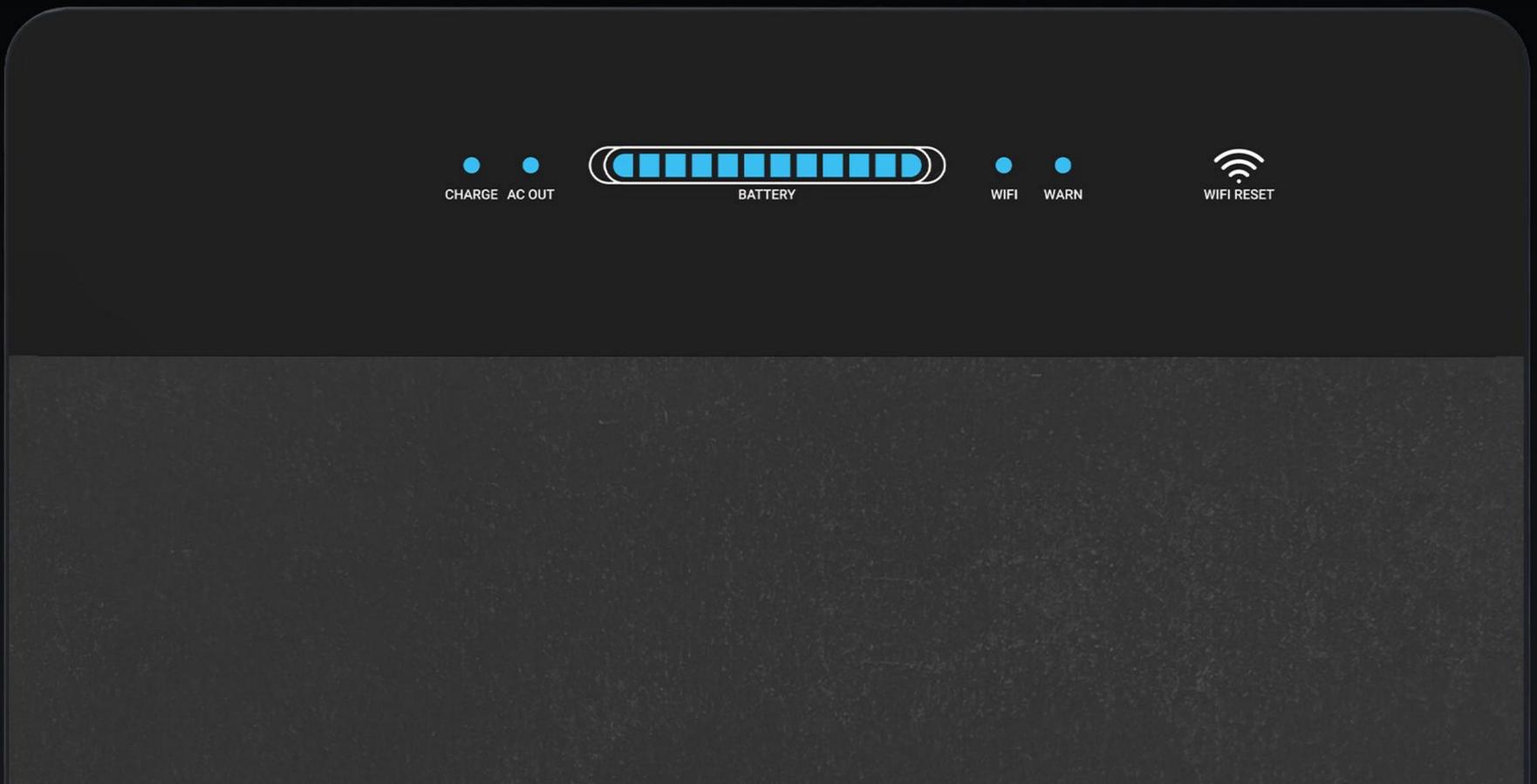


Years Lifespan
15



Power Balcony Solar Storage System

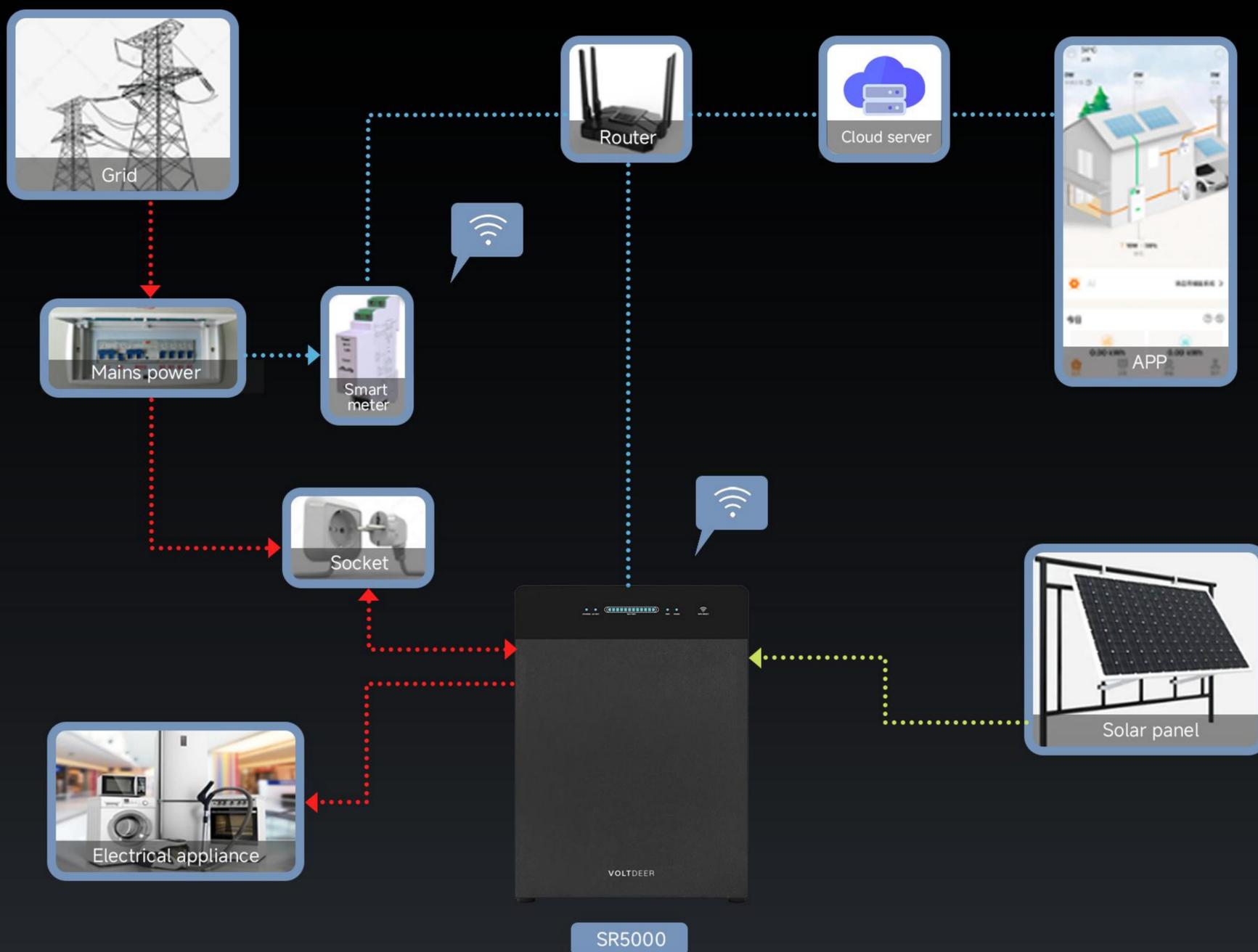
Max.2Kw PV Input | 2 MPPT



CB (IEC 62619、IEC 60730-H) 、CE-LVD (IEC 62109-1/2、IEC 62477-1) 、CE-EMC (EN 61000-1/3) 、
CE-RED_NB (EN300328、EN301489、EN62311、
EN50665) 、IEC 18031-1、RoHS、REACH、WEEE、EN
50549-1/10、C10/11、VDE 4105、CEI 0-21、UN38.3、
MSDS、IP65



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.



Fear No Cold, Power On 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.



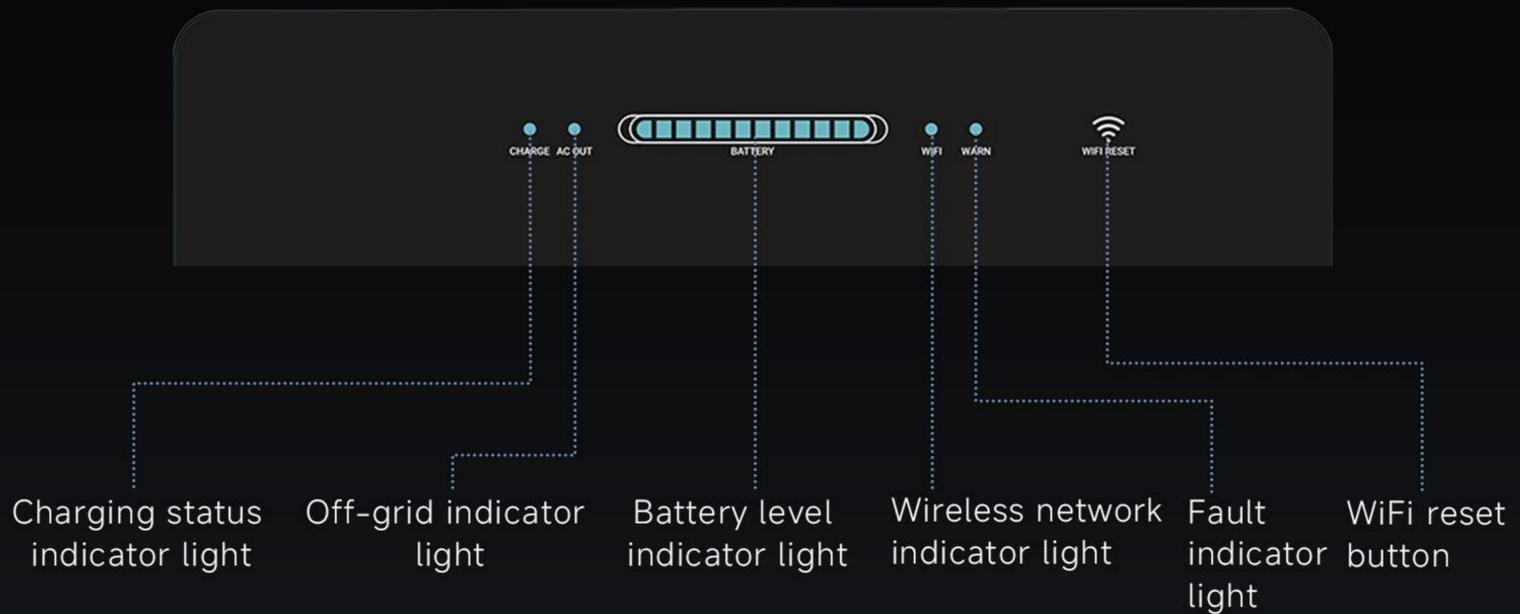
Mastering energy is at your fingertips.

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.



Multiple interfaces, multiple applications.



Compatible with Any PV

Upgrade existing PV systems with storage systems



Supports parallel operation

Maximum capacity: 20.48 Kwh



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)	60
Maximum discharging current (A)	60
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)	59±2Kg
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	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.

VOLTDEER

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The images in this manual may differ from the actual product.

Please refer to the actual product for details.

The information contained in this manual is subject to
change without prior notice.