

VOLTDEER | Powered by  PYLONTECH

SR5000 AC Pro

Flagship AC Balcony ESS



VOLTDEER



VOLTDEERTECH



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Product Features

SR5000 AC Pro

5.12kWh | 2.5kW AC IN&OUT

- Minimalist appearance, invisible design
- No Fans, whisper quiet
- Cable-free expansion up to 10.5 kW / 30.72 kWh
- Works with existing PV systems via AC coupling or the backup port



Specifications

Battery

Rated Capacity (Ah)	100
Rated Voltage (V)	51.2
Rated Energy (Wh)	5120
Battery Type	LiFePO ₄
Operating Voltage Range (V)	44.8-58.4
Max. Charging Current (A)	60
Max. Discharge Current (A)	60
Cycle Life	6000

AC Grid-Connected

Grid Type	Single-phase
Rated Voltage (Vac)	230
Rated AC Frequency (Hz)	50
Rated Output Power (W)	800 (Default)/2,500 (Max.)
Rated Output Current (A)	3.48 (Default)/10.87 (Max.)
Rated Input Power (W)	2500
Rated Input Current (A)	10.87

*The above data is based on test records obtained under controlled conditions. Actual performance may depend on external conditions.

Off-Grid AC Port

Grid Type	Single-phase
Rated AC Voltage (Vac)	230
Rated AC Frequency (Hz)	50
Rated Output Power (W)	2500
Rated Output Current (A)	10.87

Structural Information

Dimensions (mm)	503*176*615
Weight (kg)	55±2
IP Rating	IP65

Environmental Parameters

Operating Temperature (°C)	-20~60
Relative Humidity	5 to 95% @ No Condensation

Altitude

Max. Operating Altitude (m)	2000
Communication Interface	Wi-Fi, Bluetooth, RS485

Authentication Certificate	EN 50549-1/10, C10/11 VDE 4105, IEC62477, IEC62619 IEC/EN 61000, RoHS, REACH, WEEE, UN38.3
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