



Residential Rack-mounted Battery SUNRAY-5000U



Product Features



High Security

- High safety LFP cell selected, UL9540A certificated
- Active protection design, ensure battery running under safety condition



Efficiency

- Vertical integration BMS & Inverter protocol, one platform to see system message
- <430mm depth and light weight, more compact and space saved
- *KISS principle, plug & play*



Economic

- >6000 cycles with >80% EOL, achieve more benefits;
- LCOE lower 2-8%, shorter payback period

SUNRAY-5000U	
Contents	Technical Data
Product Type	SUNRAY-5000U
System Energy (Wh)*	5120
Usable Energy (Wh)*	5000
DOD Recommended	95% On Grid, 80% Off Grid
Cell Type	LFP
Nominal Voltage (V)	51.2
Working Voltage Range (V)	48-56.8
Nominal Dis-/ Charge Current (A)**	60
Max. Charge Current (A)	95
Peak Current	100A@3s
Nominal Power (W)**	3000
Max. Power (W)	5000
Peak Power (only discharge)	6000W@3s
Max. Connection No. in Parallel	16
Communication	CAN, RS 485
Dimension (W*H*D mm)	442*133*430
Weight (kg)	<46
Ingress Protection Rating	IP20
Relative Humidity Max.	0-95%RH (no condensed water)
Operating Altitude (m)	<4000m (>2000m power derating)
Cycle Life	6000, >80% EOL
Mounted Method	Wall Mounted, bracket, cabinet

*:Test conditions,cell Voltage 2.5-3.65V, 0.5C charge & discharge at +25±2°C for battery system at beginning life. System Usable Energy may vary with diferent Inverter

**.: Nominal Dis-/Charge Current and power derating will occur related to Temperature and SOC

