

Vertical Energy Storage System

SR-EOV24 Series

EOV24-5.0S-S1 EOV24-10.0S-S1
EOV24-5.0U-S1 EOV24-10.0U-S1

Long life and safety

Vertical industry integration ensures more than 5000 cycles with 80% DoD.

Easy to install and use

Integrated inverter design, easy to use and quick to install. Small size, minimizing installation time and cost. Compact and stylish design suitable for your sweet home environment.

Multiple working modes

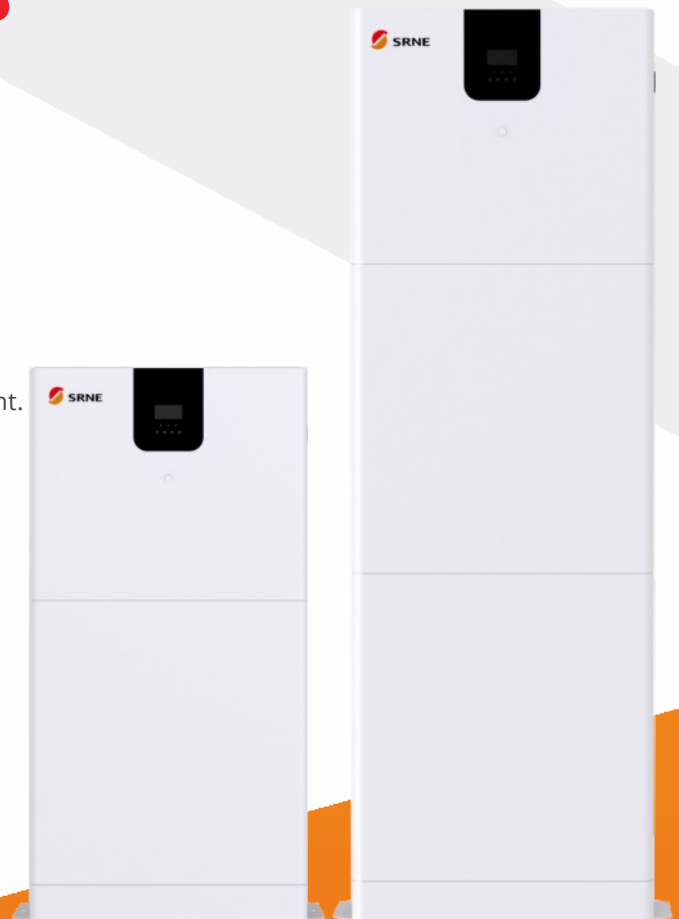
The inverter has a variety of working modes. Whether it is used for main power supply in the area without electricity or backup power supply in the area with unstable power to deal with sudden power failure, the system can respond flexibly.

Fast and flexible charging

A variety of charging methods, which can be charged with photovoltaic or commercial power, or both at the same time.

Scalability

You can use 4 batteries in parallel at the same time, and can provide a maximum of 20kwh for your use.



Application scenario >>>



Product parameters

	SR-EOV24-5.0S-S1	SR-EOV24-10.0S-S1	SR-EOV24-5.0U-S1	SR-EOV24-10.0U-S1
BATTERY TECHNICAL SPECIFICATION				
Battery model	SR-EOV24-5.0A-E1			
Number of batteries	1	2	1	2
Battery Energy	5.12kWh	10.24kWh	5.12kWh	10.24kWh
Battery Capacity	200AH	400AH	200AH	400AH
Weight	100kg	170kg	100kg	170kg
Dimension L× D× H	1190x600x184mm	1800x600x184mm	1190x600x184mm	1800x600x184mm
Battery Type	LiFePO4			
Battery Rated Voltage	25.6V			
Battery Working Voltage Range	22.4 ~ 28.8V			
Maximum Charging Current	150A			
Maximum Discharging Current	150A			
DOD	80%			
Designed Life-span	5000			
INVERTER TECHNICAL SPECIFICATION				
INVERTER MODEL	SR-EOV24-3.5S-C1		SR-EOV24-3.5U-C1	
PV CHARGE				
Solar Charge Type	MPPT			
Maximum Output Power	4000W			
PV Charging Current Range	0~80A			
PV Operating Voltage Range	120~500V			
MPPT Voltage Range	120~450V			
AC CHARGE				
Maximum Charge Power	2240W		1120W	
AC Charging Current Range	0~80A		0~40A	
Rated Input Voltage	220/230Vac		110/120Vac	
Input Voltage Range	90~280Vac		90~140Vac	
AC OUTPUT				
Rated Output Power	3500W			
Maximum Output Current	30A		40A	
Frequency	50Hz		60Hz	
Overload Current	35A		45A	
BATTERY INVERTER OUTPUT				
Rated Output Power	3500W			
Maximum Peak Power	6000VA			
Power Factor	1			
Rated Output Voltage (Vac)	230Vac		120Vac	
Frequency	50Hz		60Hz	
Auto Switch Period	<15ms			
THD	<3%			
GENERAL DATA				
Communication	RS485/CAN/WIFI			
Storage time / temperature	6 months @25°C;3 months @35°C;1 months @45°C;			
Charging temperature range	0~45°C			
Discharging temperature range	-10~45°C			
Operation Humidity	5% ~85%			
Nominal Operation Altitude	<2000m			
Cooling Mode	Force-Air Cooling			
Noise	60dB(A)			
Ingress Protection Rating	IP20			
Recommended Operation Environment	Indoor			
Installation Method	Vertical			
Certification	UN38.3,MSDS,EN55032,EN55024,EN61000-3-2,EN61000-3-3			