

SOLAR INVERTER

5kW / 6kW / 6.5kW Single-Phase

Compact and Light, Designed for Efficient Energy Production

Compatible with
48V Batteries

Up to **12** Units
Parallel Working

10ms UPS
Seamless Switch

5 Years Additional Cost
for Extended Warranty



Inverter Running Without Battery



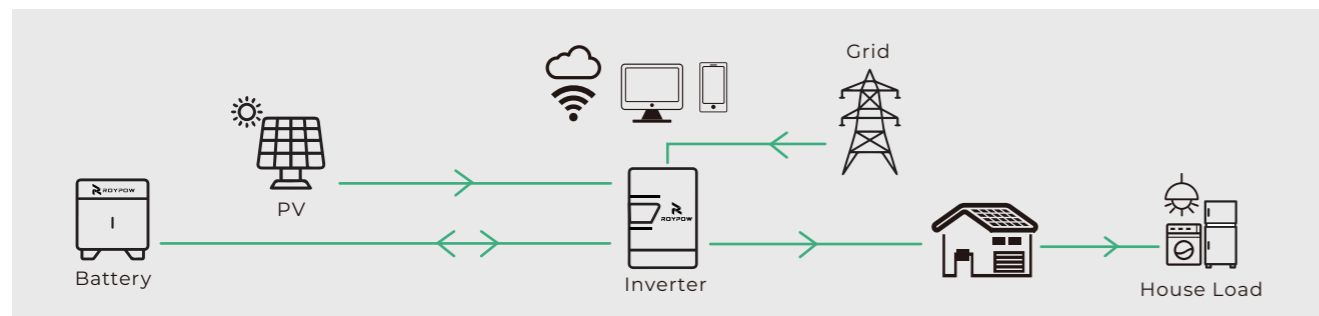
Built-in BMS Communication Port



Built-in Feed-in Grid Function



Multiple Safe Protections



System Specification

Model	R5000S-EU	R6000S-EU	R6500S-EU
Inverter Output			
Rated Power (W)	5000	6000	6500
Surge Power (VA)	10000	12000	12000
Rated Output Current (A)	22.7	27.3	29.5
Rated Voltage	230Vac (L/N/PE, Single-Phase)		
Rated Frequency (Hz)	50/60		
Switch Time	10ms (Typical)		
Waveform	Pure Sine Wave		
Peak Efficiency	95%		
Battery			
Battery Type	Li-ion / Lead-acid / User-defined		
Rated Voltage (Vdc)	48		
Voltage Range	40-60Vdc, Adjustable		
Max. Charging/Discharging Power (W)	5000/5000	6000/6000	6000/6000
Max. Charging/Discharging Current (A)	105/112	120/135	120/145
Solar Charger			
Number of MPPT	1	1	1
Max. PV Array Power (W)	5000	6000	6000
Max. Input Current (A)	22.7	27.3	27.3
Max. Open Circuit Voltage (V)	500		
MPPT Voltage Range (V)	85-450		
Grid Input			
Rated Voltage (Vdc)	230		
Voltage Range (Vdc)	90-280		
Frequency (Hz)	50/60		
Max. Bypass Current (A)	43.5	50	50
General Data			
Parallel Capacity	1-12 Units		
Operating Temperature Range	-10~50°C, >45°C Derating		
Relative Humidity	0~95%		
Altitude (m)	2000		
Protection Degree	IP54		
Cooling	Intelligent Fan		
Display	LED + APP		
Communication	RS485 / CAN / Wi-Fi		
Dimensions (WxDxH, mm)	347 x 120 x 445		
Net Weight (kg)	12		
Standard Compliance	EN 62109-1/2, EN IEC 61000-6-1/3		