



SOLAR INVERTER

5kW / 6kW / 6.5kW Single-Phase

Compact and Light, Designed for Efficient Energy Production

Compatible with
48V Batteries

93%
Peak Efficiency

Up to **12** Units
Parallel Working

10ms UPS
Seamless Switch

5 Years Additional Cost
for Extended Warranty



Inverter Running Without Battery



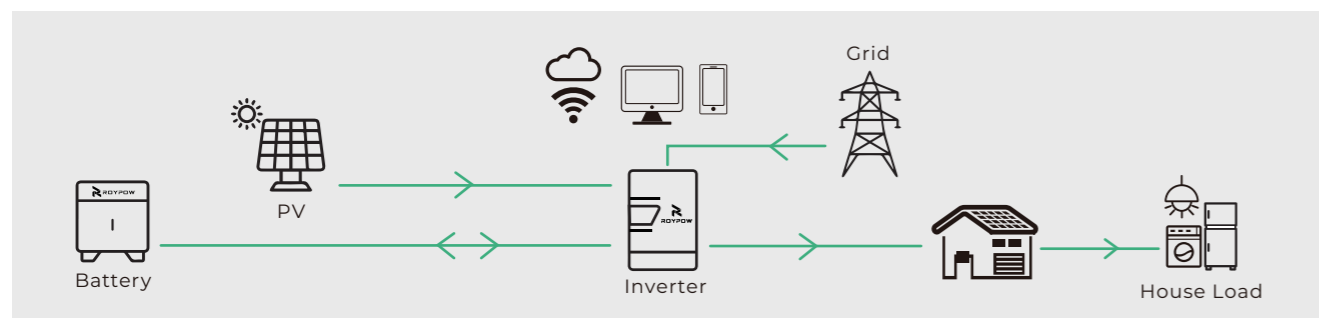
Built-in BMS Communication Port



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 | 93% | | |
| 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) | 105/105 | 120/125 | 120/125 |
| 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 | | |
| Topology | Transformer | | |
| Protection Degree | IP54 | | |
| Cooling | Intelligent Fan | | |
| Display | LED + APP | | |
| Communication | RS485 / CAN / WiFi / Dry Contact | | |
| Dimensions (WxDxH, mm) | 347 x 445 x 120 | | |
| Net Weight (kg) | 12 | | |
| Standard Compliance | EN 62109-1/2, EN IEC 61000-6-1/3 | | |