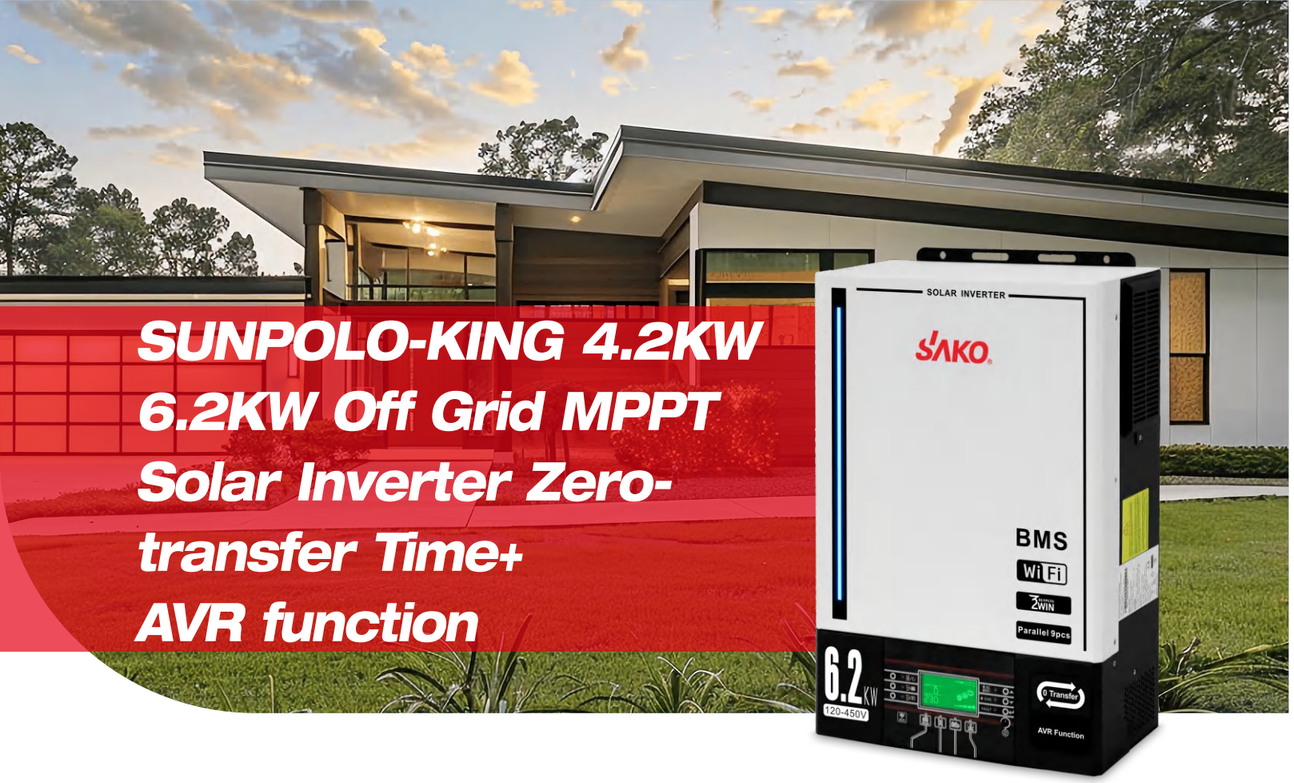
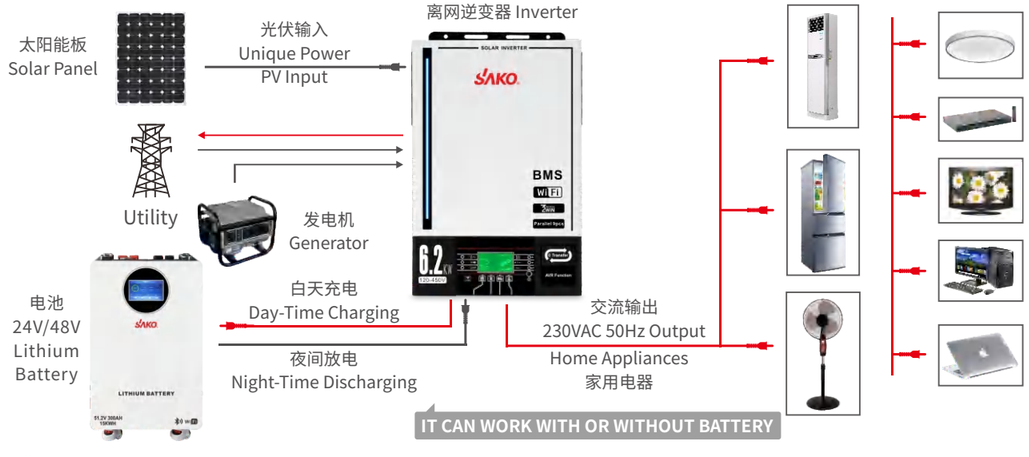



# SUNPOLO-KING 4.2KW 6.2KW Off Grid MPPT Solar Inverter Zero-transfer Time+ AVR function

## MAIN FEATURES

- 120A MPPT solar charger inside, max pv input 6000W (27A )
- Optional for bypass mode or AVR mode when there is AC
- Optional for parallel operation up to 9 units
- With BMS for lithium battery communication,Compatible with Lead acid, AGM, Gel, flooded, tubular,LiFePo4.
- Various communication such as USB/RS232/RS485(BMS)/ dry contact/WIFI.
- Movable LCD.
- Zero-transfer Time
- Twin output
- Wifi monitor built inside
- Wide PV input range (Up to 450Vdc), support no battery working during the day time.

## Solar System Connection




We Can Provide All Kinds Of Solar Solutions According To Your Demands.





SAKO SINCE 1997

## TECHNICAL PARAMETER

| Model No. | 4.2KW | 6.2KW |
|---|---|---|
| Max. PV Input Power | 5000W | 6000W |
| Rated AC Output Power | 4200W | 6200W |
| **PV Input (DC)** | | |
| Nominal DC Volt/Max DC Voltage | 360Vdc/450Vdc | |
| Start-up Voltage/Initial Feeding Voltage | 120Vdc | |
| MPPT Voltage Range | 120-430Vdc | |
| Max. Input Current | 27A | |
| **Output (AC)** | | |
| Nominal Output Volt | 230Vac, Single Phase | |
| Output Voltage Range | 230Vac±5% （nline mode） or 110-280Vac (ECO Mode) | |
| Transfer Time | Line mode--Battery mode 0ms, Inverter--Bypass 4ms | |
| Nominal Output Current | 17.4A | 27A |
| Power Factor | 1 | |
| **Efficiency** | | |
| Max. Conversion Efficiency (DC/AC) | 93%(Peak Efficiency) | |
| **AC Input (AC)** | | |
| AC Start-up Voltage/Auto Restart Volt. | 120Vac-140Vac/180Vac | |
| Acceptable Input Voltage Range | 110-280Vac | |
| Max. AC Input Current | 30A | 40A |
| **Battery & Charger** | | |
| Battery Type Supported | AGM, Gel, flooded, tubular, LiFePo4 | |
| Battery nominal voltage | 24Vdc | 48Vdc |
| Max Solar Charge Current | 120A | |
| Max AC Charge Current | 120A | |
| Max Total Charge Current | 120A | |
| **Physical** | | |
| Products Dimension,D X W X H (mm) | 468x295x140 mm | 468x295x140 mm |
| Packing Dimension,D X W X H (mm) | 530x377x225 mm | 530x377x225 mm |
| Product Net Weight(Kg) | 12.0Kg | 12.3Kg |
| Product Gross Weight(Kg) | 13.5Kg | 13.8Kg |
| Parallel functions Optional | Yes, optional, max. 9pcs | |
| Communication Interface | USB/RS232/RS485(BMS)/dry contact/WIFI. | |
| **Environment** | | |
| Humidity | 5% to 95% Relative Humidity(Non-condensing) | |
| Operating Temperature | -10°C to 50°C | |
| Storage Temperature | -15°C to 60°C | |
| Enclosure | IP20 | |

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