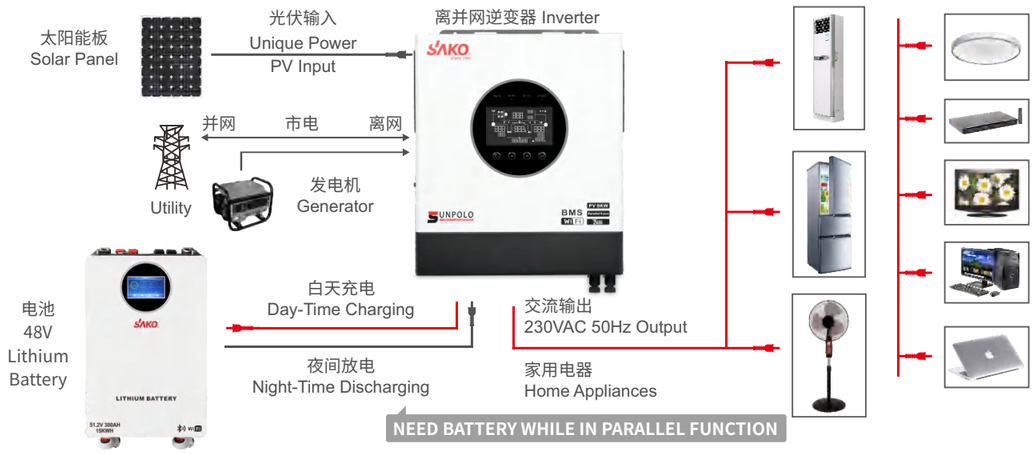



# SUNPOLO-6KW-14KW On&Off Grid MPPT Solar Inverter

## MAIN FEATURES

- Smart battery management. Compitable with different types of batteries: Lead acid, AGM, Gel, flooded, tubular,LiFePo4
- Two independent AC power sources (Utility + generator) connected and switched automatically（grid power get the priority)
- Built-in Remote WIFI for mobile monitoring(Android/IOS)
- Dual outputs (L1/L2) for smart load management for 6K/12K
- 120/160/250A MPPT solar charger inside, max pv input (2*27A,Max. 40A )
- Wide PV input range (Up to 500Vdc), support no battery working during the day time.
- On grid and off grid solar inverter, support self-consumption and feed into the grid.
- Max. PV input current 40A
- Built-in BMS
- Parallel up to 6 units

## Solar System Connection




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



## On&Off Grid MPPT Solar Inverter

SAKO SINCE 1997

## TECHNICAL PARAMETER

| Model | SUNPOLO-6KW | SUNPOLO-12KW | SUNPOLO-14KW |
|---|---|---|---|
| The rated power | 6000W | 12000W(PV+BAT) | 14000W(PV+BAT) |
| **INPUT** | | | |
| Voltage | 230VAC | | |
| Selectable Voltage Range | 170-280VAC (UPS), 90-280VAC (Appliances) | | |
| Frequnecy Range | 50Hz/60Hz (Auto sensing) | | |
| **OUTPUT** | | | |
| AC Voltage Regulation (Batt. Model) | 230VAC ± 5% | 230VAC ± 5% | 230VAC ± 5% |
| Surge Power | 12000VA | 24000VA | 28000VA |
| Power factor | 1 | 1 | 1 |
| Efficiency(Peak) | ＞94% | ＞94% | ＞94% |
| Transfer Time | 10ms (UPS), 20ms (Appliances) | 10ms (UPS), 20ms (Appliances) | 10ms (UPS), 20ms (Appliances) |
| Wave form | Pure sine wave | Pure sine wave | Pure sine wave |
| No Load Power Consunmption | ＜30W | ＜30W | ＜65W |
| **BATTERY** | | | |
| Battery voltage | 48VDC | 48VDC | 48VDC |
| Low battery alarming voltage | 44.0VDC | 44.0VDC | 44.0VDC |
| Low battery cut off protection voltage | 42.0VDC | 42.0VDC | 42.0VDC |
| Low battery recovery voltage | 46.0VDC | 46.0VDC | 46.0VDC |
| Floating Charge Voltage | 56.0VDC | 56.0VDC | 56.0VDC |
| Overcharge Protection | 64.0VDC | 64.0VDC | 64.0VDC |
| **MPPT SOLAR CHARGER & AC CHARGER** | | | |
| Maximum PV Array Power | 9000W | 15000W | 18000W |
| MPPT Range Operation Vol | 60-450VDC | 60-450VDC | 90-450VDC |
| Maximum PV Array Open Circuit Vol. | 500VDC | 500VDC | 500VDC |
| Number of MPPT trackers / Max output current | 120A | 160A | 250A |
| Maxmum AC Charge Current | 120A | 160A | 210A |
| Maxmum Efficiency | 98% | 98% | 98% |
| **BEST PANEL CONFIGUTATION** | | | |
| Maximum PV Array Power | 9000W | 15000W | 18000W |
| Best Panel configuration | 600W/16PCS/8S2P | 550W/27PCS/9S3P | 600W/28PCS/7S4P |
| **CHARACTERISTIC** | | | |
| Number of AC output | 2 | | |
| Display | LCD&APP | | |
| Communication Interface | RS485(BMS) communication port | | |
| Parallel Capabillty | supports 6pcs | | |
| **PHYSICAL** | | | |
| Packing size, D*W*H(mm) | 500*415*186mm | 595*515*210mm | 725*515*195mm |
| N.W. kg | 8Kg | 15Kg | 18.0Kg |
| G.W. kg | 9.5Kg | 16.5Kg | 20.5Kg |
| Communication Interface | RS485(BMS) communication port | | |
| **OPERATING ENVIRONMENT** | | | |
| Humidity | 5% to 95% Relative Humidity (Non-condensing) | | |
| Operating Temperature Range | 0°C to 55°C | | |
| Storage Temperature | -15°C-60°C | | |

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