



## On&Off Grid MPPT Solar Inverter



### TECHNICAL PARAMETER

| MODEL                                 | SUNON V 4.5KVA/24V                                                      | SUNON V 6.5KVA/48V |
|---------------------------------------|-------------------------------------------------------------------------|--------------------|
| Rated Power                           | 4500VA/4200W                                                            | 6500VA/6200W       |
| BATTERY                               |                                                                         |                    |
| Battery Voltage                       | 24 VDC                                                                  | 48 VDC             |
| Floating Charge Voltage               | 27 VDC                                                                  | 54 VDC             |
| Overcharge Protection                 | 33 VDC                                                                  | 63 VDC             |
| INPUT                                 |                                                                         |                    |
| Voltage                               | 230 VAC                                                                 |                    |
| Selectable Voltage Range              | 170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances) |                    |
| Frequency Range                       | 50 Hz/60 Hz (Auto sensing)                                              |                    |
| OUTPUT                                |                                                                         |                    |
| AC Voltage Regulation (Batt. Mode)    | 230 VAC ± 5%                                                            |                    |
| Surge Power                           | 8400VA                                                                  | 12400VA            |
| Efficiency (Peak)                     | 90% ~ 93%                                                               |                    |
| Transfer Time                         | 10 ms (For Personal Computers) ; 20 ms (For Home Appliances)            |                    |
| Waveform                              | Pure sine wave                                                          |                    |
| SOLAR CHARGER & AC CHARGER            |                                                                         |                    |
| Solar Charger Type                    | MPPT                                                                    |                    |
| Maximum PV Array Power                | 5000W                                                                   | 6000W              |
| Max. Input Current                    | 27A                                                                     | 27A                |
| MPPT Range @ Operating Voltage        | 60-450V                                                                 | 60-450V            |
| Maximum PV Array Open Circuit Voltage | 500 VDC                                                                 |                    |
| Maxmum Solar Charge Current           | 120 A                                                                   | 120 A              |
| Maximum AC Charge Current             | 100 A                                                                   | 100 A              |
| Maximum Charge Current                | 120 A                                                                   | 120 A              |
| PHYSICAL                              |                                                                         |                    |
| Packing Dimension,D X W X H (mm)      | 583mm*380mm*214mm                                                       | 583mm*380mm*214mm  |
| Net Weight (kgs)                      | 9.6                                                                     | 10.4               |
| Communication Interface               | USB/RS232/RS485(BMS)/Local WiFi/Dry-contact                             |                    |
| OPERATING ENVIRONMENT                 |                                                                         |                    |
| Humidity                              | 5% to 95% Relative Humidity(Non-condensing)                             |                    |
| Operating Temperature                 | -10°C to 50°C                                                           |                    |
| Storage Temperature                   | -15°C to 60°C                                                           |                    |

### MAIN FEATURES

- 

Built-in Remote WiFi for mobile monitoring (App is available)
- 

With OTG function,supports data events stored
- 

Optional for RGB or movable LCD case design
- 

Reserved communication port (RS485, CAN-BUS or RS232) for BMS
- 

Battery independent design
- 

Battery equalization extends lifecycle
- 

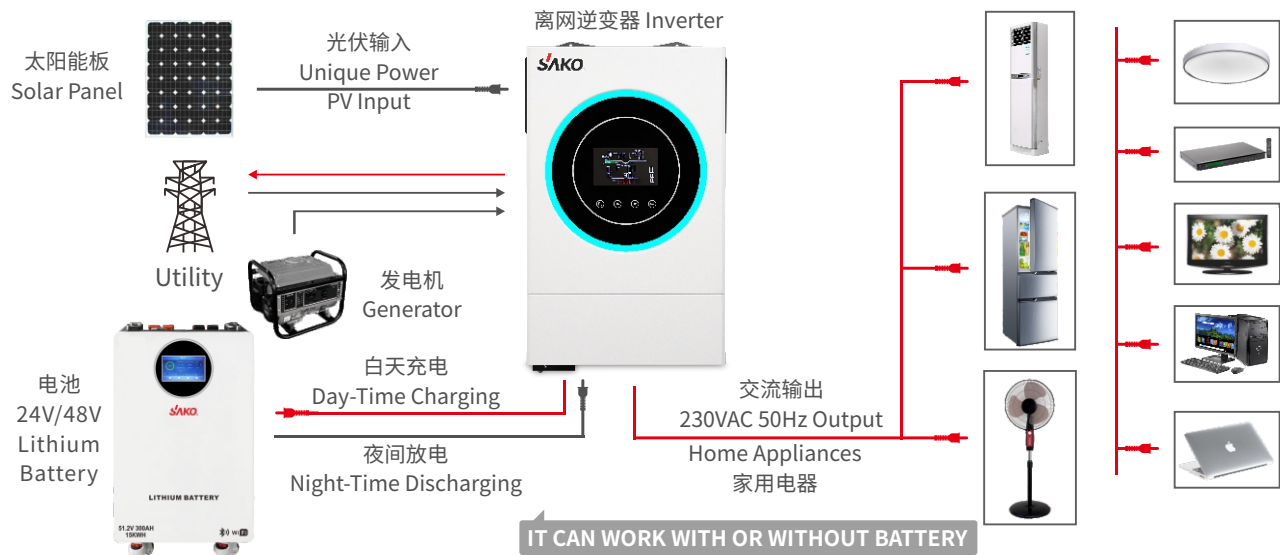
Dual(Twin) AC Output
- 

Enhanced charging power
- 

Built-in anti-dust kit
- 

Hybrid can work as off grid or on grid inverter

### Solar System Connection



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

[www.sakopower.com](http://www.sakopower.com)

