

On&Off Grid MPPT Solar Inverter

TECHNICAL PARAMETER

| NEW MODEL | SUNON-ECO 4.2KVA | SUNON-ECO 6.2KVA |
|--|---|------------------|
| Max.PV Power | 5000W | 6500W |
| Rated Power | 4200VA | 6200VA |
| Max.Charge Current | 120A | 120A |
| BATTERY | | |
| Battery Voltage | 24VDC | 48VDC |
| Floating Charge Voltage | 27VDC | 54VDC |
| Overcharge Protection | 33VDC | 63VDC |
| Battery Type | Compatible with GEL, AGM, Lithium Battery | |
| GRID INPUT | | |
| Voltage | 230 VAC | |
| Selectable Voltage Range | 170-280VAC(For Personal Computers);90-280 VAC (For Home Appliances) | |
| Frequency Range | 50 Hz/60 Hz (Auto sensing) | |
| Efficiency(AC Mode) | 98% | |
| AC OUTPUT | | |
| AC Voltage Regulation (Batt. Mode) | 230 VAC ± 5% | |
| Surge Power | 8400VA | 12400VA |
| Efficiency (Peak) | 90%~94% | |
| Transfer Time | 10 ms(For Personal Computers);20 ms (For Home Appliances) | |
| Waveform | Pure sine mave | |
| DUAL LOADS AC OUTPUT | | |
| Full Load | 4200VA | 6200VA |
| Maximum Main Load | 4200VA | 6200VA |
| Maximum Second Load (Battery Mode) | 1200W | 2100W |
| Main Load Cut Off Voltage | 22VCD | 44VCD |
| Main Load Return Voltage | 27VCD | 54VCD |
| SOLAR CHARGER &AC CHARGER | | |
| Solar Charger Type | MPPT | |
| Maximum PV Array Power | 5000W | 6500W |
| Max. input Current | 27A | 27A |
| MPPT Range @ Operating Voltage | 90~450VDC | 90~450VDC |
| Maximum PV Array Open Circuit Voltage | 500 VDC | |
| Maximum Solar Charge Current | 120A | 120A |
| Maximum AC Charge Curent | 100A | 100A |
| Maximum Charge Curent | 120A | 120A |
| PHYSICAL | | |
| Packing Dimension,DXWXH(mm) | 543*394*204 | 543*394*204 |
| Net Weight (kgs) | 9.8 | 10.5 |
| Communication Interface | USB/RS232/WIFI/GPRS | |
| OPERATING ENVIRONMENT | | |
| Humidity | 5% to 95% Relative Humidity(Non-condensing) | |
| Operating Temperature | -10°C to 50°C | |
| Storage Temperature | -15°C to 60°C | |
| Product specifications are subject to change without further notice. | | |

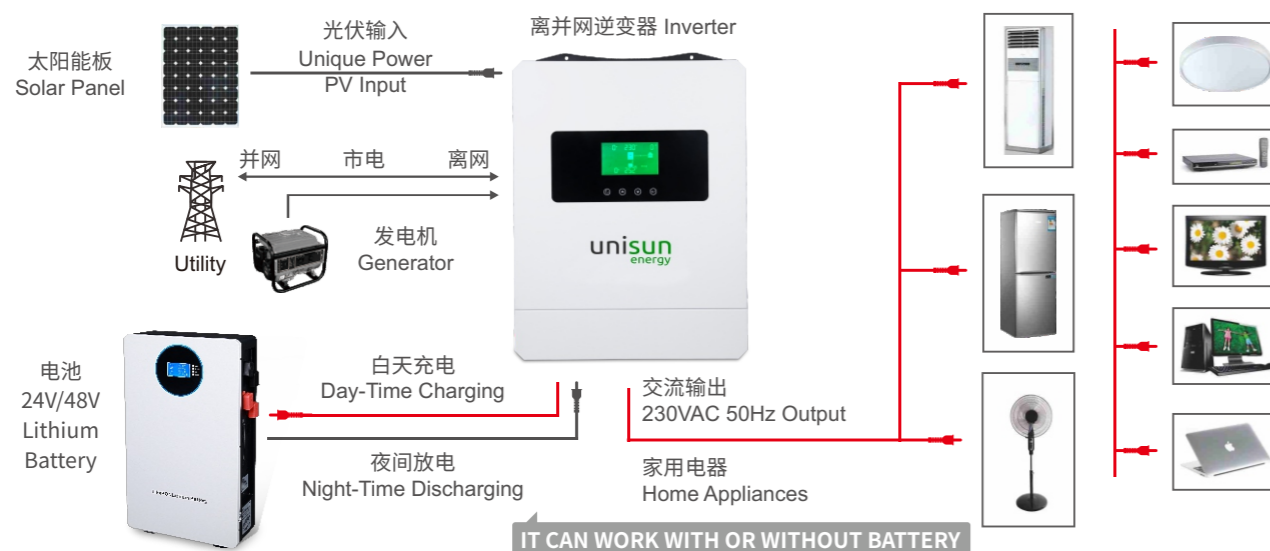
SUNON-ECO 4.2-6.2KVA On&Off Grid MPPT Solar Inverter IP20



MAIN FEATURES

- Pure sine wave,Hybrid on&off inverter can feed to grid
- Optional Local WIFI&GPRS available for IOS and Andoid
- Inverter running with or without battery
- Build-in Lithium battery automatic activation
- Build-in 120A MPPT solar charge controller
- High PV input voltage rang (90~450VDC)
- Dual output L1/L2
- Battery independent design
- User-friendly LCD operation
- Enhanced charging power

Solar System Connection



On&Off Grid MPPT Solar Inverter

TECHNICAL PARAMETER

| MODEL | SUNPOLO 8.2KW | SUNPOLO 11KW |
|--|---|---------------------------|
| Basical information | | |
| Rated AC Output Power | 8200W | 11000W |
| Grid-Tie Operation | | |
| PV Input (DC) | | |
| Nominal DC Volt/Max DC Voltage | 360VDC/450VDC | |
| Start-up Voltage/Initial Feeding Voltage | 80VDC | 120VDC |
| MPPT Voltage Range | 90-450VDC | |
| No. of MPPT Tracker/Max. Input Current | 27A *2(MAX 40A) | |
| Max. PV Input Power | 12000W(6000W*2) | 11000W(5500W*2) |
| Grid Output (AC) | | |
| Nominal Output Volt | 220Vac/230Vac/240Vac, Single Phase | |
| Output Voltage Range | 184V-265Vac or 195-253V (Selectable) | |
| Nominal Output Current | 40A(Max. 2nd Output Current) | 47.8A |
| Power Factor | >0.9 | |
| Efficiency | | |
| Max. Conversion Efficiency (DC/AC) | 96% | |
| Off-Grid Operation | | |
| AC Input (AC) | | |
| AC Start-up Voltage/Auto Restart Volt. | 120Vac-140Vac/180Vac | |
| Acceptable Input Voltage Range | 90-280Vac or 170-280Vac | |
| Max. AC Input Current | 60A | 60A |
| Battery Mode Output (AC) | | |
| Nominal Output Volt | 220Vac/230Vac/240Vac | |
| Waveform | Pure sine wave | |
| Efficiency(DC to AC) | 93% | |
| Battery & Charger | | |
| Battery Type Supported | Lead Acid/VRLA/AGM/Deep Cycle/Gel/Flooded/Tubular/Lithium-Ion | |
| Nominal Battery Voltage | 48Vdc | |
| Max Solar Charge Current | 150A | 150A |
| Max AC Charge Current | 150A | 150A |
| Max Total Charge Current | 150A | 150A |
| General | | |
| Physical | | |
| Products Dimension,D X W X H (mm) | 552*422*152 | 552*422*152 |
| Product Net Weight(kgs) | 18.8 | 19.1 |
| Product Gross Weight(kgs) | 20.9 | 21.3 |
| Packing Dimension,D X W X H (mm) | 700mm*510*mm*232mm,1PC/CTN | 696mm*567mm*243mm,1PC/CTN |
| Parallel functions | Yes, MAX. 6pcs | Yes, MAX. 6pcs |
| Communication Interface | RS232,USB,WIFI | RS232,USB,WIFI |
| Environment | | |
| Humidity | 5% to 95% Relative Humidity(Non-condensing) | |
| Operating Temperature | -10°C to 50°C | |
| Storage Temperature | -15°C to 60°C | |

SUNPOLO 8.2KW-11KW On&Off Grid MPPT Solar Inverter IP20

Cycling Wheel Chasing



MAIN FEATURES

- Communication optional: USB/RS232/RS485/Dry-Contact/WIFI
- Dual MPPT tracker inside (2pcs*27A)
- 3 IN 1: MPPT INVERTER, ON GRID/OFF GRID/HYBRID.
- Real Hybrid Can Feed into Grid
- Dual AC output L1/L2
- With BMS (Smart battery management), can communicate with LiFePO4
- Work with or without battery
- Parallel up to 6pcs optional
- Touch LCD screen
- RGB Light
- WIFI monitor(local wifi+remote wifi)

Solar System Connection

