



## Highly And Flexible SUNPOLO 8.2KW 11KW Hybrid Inverters For Residential Commercial Industrial

### Our Product Introduction

#### Basic Information

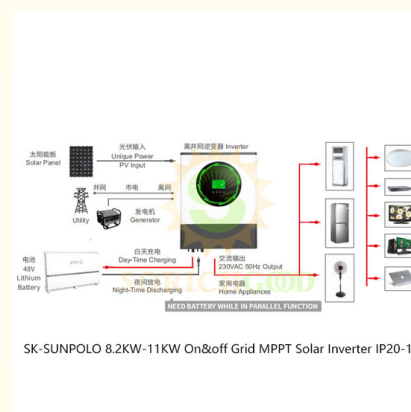
- Place of Origin: China
- Brand Name: TP
- Certification: CE
- Model Number: SI6
- Minimum Order Quantity: 10 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



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

#### Product Specification

- Dual MPPT Inverter: Efficient Solar Energy Management With Two MPPT Trackers
- Real Hybrid Operation: Capable Of Working In Grid-tied, Off-grid, Or Hybrid Modes
- High Conversion Efficiency: Reaches Up To 96% Efficiency In DC To AC Conversion
- Robust Solar Input: Supports Up To 12,000W (8.2KW Model) And 11,000W (11KW Model) Solar Input Power
- Battery Independence: Operates With Or Without A Battery, Offering Flexible Energy Storage Options
- User-Friendly Interface: Features An Intuitive Touch LCD Screen For Easy Monitoring And Configuration
- Highlight: **8.2KW Hybrid Inverters, 11KW Hybrid Inverters, Industrial hybrid power inverter**



SK-SUNPOLO 8.2KW-11KW On&off Grid MPPT Solar Inverter IP20-1

## Product Description

### Highly and Flexible SUNPOLO 8.2KW SUNPOLO 11KW Hybrid Inverters for Residential Commercial and Industrial

#### MAIN FEATURES

-  Communication optional: USB/RS232/RS485/Dry-Contact/WIFI
-  Work with or without battery
-  Dual MPPT tracker inside (2pcs\*27A)
-  Parallel up to 6pcs optional
-  3 IN 1: MPPT INVERTER, ON GRID/OFF GRID/HYBRID.
-  Touch LCD screen
-  Real Hybrid Can Feed into Grid
-  RGB Light
-  Dual AC output L1/L2
-  WIFI monitor(local wifi+remote wifi)
-  With BMS (Smart battery management), can communicate with LIFPO4

#### Product Description:

The **SUNPOLO 8.2KW & SUNPOLO 11KW Hybrid Inverter** is a highly versatile energy solution designed for both on-grid and off-grid applications. Equipped with dual MPPT trackers, it allows optimal performance with a PV input range of 90-450VDC. This inverter offers seamless switching between grid-tie and hybrid operations, ensuring efficient energy conversion with a peak efficiency of up to 96%. Its robust design supports a maximum solar input power of up to 12,000W (for the 8.2KW model) and 11,000W (for the 11KW model), making it perfect for larger installations. The built-in BMS (Battery Management System) ensures compatibility with various battery types, including Lead Acid, Lithium-Ion, and more, providing reliable energy storage and management.

|  |                                     |                 |
|--|-------------------------------------|-----------------|
| MODEL                                    | SUNPOL®8.2KW                        | SUNPOL®11KW     |
| Basical information                      |                                     |                 |
| Rated AC Output Power                    | 8200W                               | 11000W          |
| Grid-TieOperation                        |                                     |                 |
| PVInput (DC)                             |                                     |                 |
| NominalDC VoltMax 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(MAX40A)                       |                 |
| 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) |                 |
| NominalOutput Current                    | 40A(Max.2nd Output Current)         | 47.8A           |
| Power Factor                             | >0.9                                |                 |
| Efficiency                               |                                     |                 |
| Max.Conversion Efficiency(DC/AC)         | 96%                                 |                 |
| Off-Grid Operation                       |                                     |                 |
| ACInput (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/NRLA/AGM/Deep Cycle/Gel/Flooded/Tubular/Lithium-Ion |                            |
| Nominal Battery Voltage      | 48Vdo   |                            |
| Max Solar Charge Current     | 150A  | 150A                       |
| MaxAC Charge Current         | 150A  | 150A                       |
| MaxTotal Charge Current      | 150A  | 150A                       |
| Genera                       |   |                            |
| Physica                      |   |                            |
| ProductsDimension,DXWXH(m)   | 552*422*152   | 552*422*152                |
| Product Net Weight(kgs)      | 18.8  | 19.1                       |
| Product GrossWeight(kgs)     | 20.9  | 21.3                       |
| Packing Dimension,D XWXH(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,WFI              |

|                       |   |
|-----------------------|---|
| Environment           |   |
| Humidity              | 5%to 95%Relative Humidity(Non-condensing) |
| Operating Temperature | -10°C to 50°C                             |
| Storage Temperature   | -15°C to 60°C                             |

#### Application:

This inverter is ideal for residential, commercial, and industrial applications where high power and flexibility are required. With its ability to work with or without batteries, it can be deployed in areas with unstable grids, providing backup power during outages. Its grid-tied mode offers the ability to feed excess solar power back to the grid, making it a suitable option for energy-conscious users aiming to reduce energy costs and carbon footprint.

#### Shipping Methods

Supports global air and sea shipping.



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