



## SUNON ECO Hybrid Inverters Ideal for Residential and Commercial Solar Systems

### Our Product Introduction

#### Basic Information

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



SK-SUNON PRO 3.5KW 5.5KW Off Grid MPPT Solar Inverter

#### Product Specification

- Max PV Power: 5000W (4.2KVA) / 6500W (6.2KVA)
- Rated Power: 4200VA (4.2KVA) / 6200VA (6.2KVA)
- Battery Voltage: 24VDC (4.2KVA) / 48VDC (6.2KVA)
- Surge Power: 8400VA (4.2KVA) / 12400VA (6.2KVA)
- Maximum Charge Current: 120A
- MPPT Range Voltage: 90-450VDC
- Highlight: residential hybrid inverters,  
residential mppt solar charge controller,  
commercial hybrid inverters





SK-SUNON PRO 3.5KW 5.5KW Off Grid MPPT Solar Inverter-1

## Product Description

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#### MAIN FEATURES

-  With 100A MPPT Solar Charge Controller Built-in
-  With High PV Input Voltage Range(120-500VDC)
-  Efficiently Work With or Without Battery
-  With WIFI Function Optional
-  With Touch Button on the LCD Display
-  Optional for SUNON PLUS 3.5K/5.5K with local wifi and removable LCD

#### Product Description

The **SUNON ECO Series Hybrid Inverter** is a powerful and versatile solution designed for solar energy systems. With pure sine wave output, it ensures high efficiency and reliable performance. The inverter is capable of operating with or without a battery, making it suitable for various applications, including grid-tied or off-grid systems. It supports a wide PV input voltage range (90-450VDC), ensuring compatibility with different solar panel configurations. Integrated with a built-in MPPT solar charge controller, this model optimizes energy harvest and storage, ensuring maximum efficiency. Featuring user-friendly LCD operation, the inverter is easy to monitor and configure, providing flexibility for solar energy storage and distribution.

MODEL	SUNON PRO 3.5K	SUNONPRO 5.5K
Therated power	3500VA/3500W	5500VA/5500W
BATTERY		
Battery Voltage	24 VDC	48 VDC
Low Battery Alarming Voltage	22 VDC	44VDC
Low Battery Cut offProtection Voltage	21 VDC	42 VDC
Low Battery Recovery Voltage	23 VDC	46 VDC
Floating Charge Voltage	27VDC	54 VDC
OverchargeProtection	32 VDC	64 VDC
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	90-280VAC(Appliances),170-280VAC(UPS)	
Frequency Range	50 Hz/60 Hz(Auto sensing)	
OUTPUT		
AC Voltage Regulation(Ball.Mode)	230 VAC±5%	
Surge Power	7000VA	11000VA
No Load Current	1.0A	1.1A
Efficiency(Peak)	>90%	
Transfer Time	10ms (UPS);20 ms(Appliances)	
Waveform	Pure sine wave	

MPPT SOLAR CHARGER&ACCHARGER		
Maximum PVArray Power	5000W	6000W
MPPT Range at Operation Vol.	120-450VDC	
Maximum PVArray OpenCircuitVol.	500VDC	
Number of MPPT Trackers/Max Output Current	100A	
Maximum AC Charge Current	80A	
Maximum Charge Current	100A	
Maximum Efficiency	98%	
BEST PANELCONFIGUTATION		
Best Panel Configuration	300Wp*9pcs*36V(2700Wp)*2Parallel	330Wp*9pcs*36V(2970Wp)*2Parallel
PHYSICAL		
Dimension,D*W*H(mm)	481*313*117	
Packing Size,D*W*H(mm)	543*394*204	
Net Weight(kgs)	9.8	10.5
Gross Weight (kgs)	11	11.7
OPERATING ENVIRONMENT		
Humidity	5%to 95%Relative Humidity(Non-condensing)	
Operating Temperature	0°C-50°C	

#### Application

The **SUNON ECO Series Hybrid Inverter** is ideal for residential and commercial solar energy systems. It can be used for both grid-tied and off-grid solar installations, providing reliable power even during grid outages. It is also compatible with various battery types (GEL, AGM, Lithium), making it suitable for energy storage systems. With the built-in WiFi/GPRS module (optional), it offers remote monitoring capabilities via mobile devices, ensuring seamless energy management and efficiency optimization.

## Shipping Methods

Supports global air and sea shipping.



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