



Solar Hybrid Inverter System For Residential And Small Commercial Energy Needs

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: TP
- Certification: CE
- Model Number: SE4.2
- Minimum Order Quantity: 20 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



SK-SUNON-ECO 4.2-6.2KVA On&Off Grid MPPT Solar Inverter IP20-1

Product Specification

- Max. PV Power: 4.2KVA Model: 5000W 6.2KVA Model: 6500W
- Rated Power: 4.2KVA Model: 4200VA 6.2KVA Model: 6200VA
- Battery Voltage: 4.2KVA Model: 24VDC 6.2KVA Model: 48VDC
- Surge Power: 4.2KVA Model: 8400VA 6.2KVA Model: 12400VA
- Max. Solar Charge Current: 120A (Both Models)
- MPPT Range @ Operating Voltage: 90-450VDC (Both Models)
- Highlight: 4.2KVA solar hybrid inverter system, 5000W solar hybrid inverter system, 6.2KVA three phase hybrid inverter



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

Product Description

The SUNON-ECO Hybrid Inverters for Residential and Small Commercial Energy Needs

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

Product Description:

The SUNON-ECO series is a high-performance hybrid inverter designed for off-grid and grid-tied solar systems. Equipped with a built-in 120A MPPT solar charge controller, it offers efficient energy conversion with a peak efficiency of 98%. The inverter supports pure sine wave output, ensuring compatibility with sensitive electronics and home appliances. With its robust battery management system, the SUNON-ECO inverters provide seamless operation with or without batteries, making it suitable for various power needs. Available in 4.2KVA and 6.2KVA models, the SUNON-ECO series is ideal for residential and small commercial applications requiring reliable and efficient power solutions.

NEW MODEL	SUNON-EC04.2KVA	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,Liithium Battery	
GRID INPUT		
Voitage	230 VAC	
Selectable Voltage Range	170-280VAC(ForPersonal 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	
DUALLOADS 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 PVArray 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/RS232WIFIVGPRS	
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.	

Application:

The SUNON-ECO series is ideal for residential and small commercial applications where consistent and reliable power is required. It supports both off-grid and grid-tied setups, offering flexibility in energy management. With dual AC outputs, this inverter can feed power back to the grid, making it suitable for homes, offices, and small businesses. It also supports a wide PV input voltage range (90V–450VDC) and integrates a smart battery charge controller, ensuring optimal performance for solar energy storage systems.

Shipping Methods

Supports global air and sea shipping.



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