



Integrated MPPT Solar Charge Controller SUNON V Series Hybrid Inverters

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: TP
- Certification: CE
- Model Number: SV4.5
- Minimum Order Quantity: 10 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Rated Power: 4500VA/4200W (SUNON V 4.5KVA) And 6500VA/6200W (SUNON V 6.5KVA)
- Battery Voltage: 24VDC (4.5KVA Model) / 48VDC (6.5KVA Model)
- Surge Power: 8400VA (4.5KVA) / 12400VA (6.5KVA)
- Maximum PV Array Power: 5000W (4.5KVA) / 6000W (6.5KVA)
- Efficiency (Peak): 90% To 93%
- AC Output: 230VAC \pm 5%, Pure Sine Wave
- Highlight: **5000w mppt charge controller,**
6000w mppt charge controller,
4500VA mppt solar charge controller



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Product Description

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-  Built-in Local 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

Product Description:

The SUNON V series hybrid solar inverter offers a highly efficient energy solution with flexible power management options. With integrated MPPT solar charge controller and high PV input voltage range (90-450VDC), this inverter allows smooth grid-feeding or off-grid operation. The unit is equipped with a built-in lithium battery activation system and operates efficiently with or without a battery, making it suitable for both residential and commercial use. Dual AC output, battery-independent design, and enhanced charging power ensure versatile performance. It also features built-in anti-dust protection and remote monitoring capabilities via WiFi, making it ideal for use in harsh environments.

MODEL	SUNONV4.5KVA/24V	SUNONV6.5KVA/48V
Rated Power	4500VA/4200W	6500VA/6200W
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	33VDC	63VDC
INPUT		
Voltage	230VAC	
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)	230VAC±5%	
Surge Power	8400VA	12400VA
Efficiency (Peak)	90% 93%	
Transfer Time	10ms(For Personal Computers);20ms (For Home Appliances)	
Waveform	Pure sine wave	
SOLAR CHARGER&AC CHARGER		
Solar Charger Type	MPPT	

Maximum PVArray 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 ACCharge Current	100 A	100 A
Maximum Charge Current	120 A	120 A
PHYSICAL		
Packing Dimension,DXWXH(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°Cto60°C	

Application:

- Off-grid solar power systems
- Hybrid solar systems for residential or commercial installations
- Battery-based energy storage systems
- Standalone power systems in remote areas
- Smart homes with energy management systems

Shipping Methods

Supports global air and sea shipping.



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