

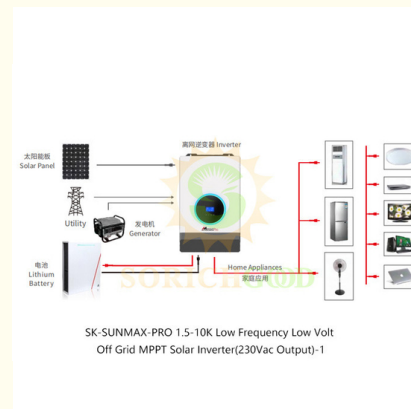


6000W Hybrid Inverters For Peak Power Demand Management

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: TP
- Certification: CE
- Model Number: SIP1.5
- Minimum Order Quantity: 6 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T






Product Specification

- Max PV Input Power: 6000W
- Battery Voltage: 48VDC
- Surge Capacity: 8000W
- MPPT Range: 120VDC-450VDC
- Max Solar Charge Current: 120A
- Efficiency: $\geq 95\%$
- Highlight: **6000W Hybrid Inverters, 48V Hybrid Inverters, 120A hybrid inverter**

Product Description

Durable Hybrid Inverters for Peak Power Demand Management

MAIN FEATURES

-  With MPPT Solar Charge Controller Inbuilt
-  Parallel Operation With up to 9 Units for 5KVA, 6 Units for 10KVA
-  Configurable Priority of AC/Solar Charge Via LCD Setting
-  Support BMS for 5KVA
-  Selectable Input Voltage Range for Home Appliances and Personal Computers
-  Auto Restart While AC is Recovering
-  Wall Mount Design, Easy Installation
-  With LCD and RGB display
-  Automatically Active Lithium Battery
-  Low Frequency Transformer Technology, Durable and Affordable

Product Description:

The **SUNMAX-PRO Series** hybrid inverter is a high-performance power management solution designed to work seamlessly with or without batteries. It offers reliable performance for both on-grid and off-grid applications, making it ideal for home and commercial use. Featuring a built-in MPPT solar charge controller, this inverter supports parallel operation of up to 9 units for 5KVA systems and 6 units for 10KVA systems. It includes advanced features like real-time monitoring via USB, RS232, and Wi-Fi, as well as a user-friendly LCD with RGB display. The SUNMAX-PRO inverter ensures efficient energy conversion, low-frequency transformer technology for enhanced durability, and automatic battery activation to optimize lithium battery performance.

TECHNICAL PARAMETER		SUNMAX-PRO Series						
MODEL	1.5KV A 12V	2.5KV A 24V	3.5KV A 24V	5.5KV A 48V	7.5KV A 48V	5KVA4 8V Parallel	10KVA 48V Parallel	
LINE MODE SPECIFICATIONS								
Input Voltage Waveform	Sinusoidal (Utility or generator)							
Nominal Input Voltage	230Vac							
AC Input Range	170Vac-280V (Computer);90Vac-280Vac (Home Appliances)							
Nominal Input Frequency	50Hz/60Hz(Auto detection)							
Efficiency(Line Mode)	>95%(Rated R load,battery full charged)							
TransferTime	10ms typical (UPS);20ms typical(Appliances)							
INVERTERMODE SPECIFICATIONS								
Rated Output Power	1000W	2000W	3000W	5000W	6000W	5000W	8000W	
Output Voltage Waveform	Pure sine wave							
Output Voltage Regulation	230Vac±5%							
Output Frequency	50Hz/60Hz							
Peak Efficiency	90%							
Overload Protection	5s@=150%load;10s@105%~150%load							
SurgeCapacity	2'rated power for 5seconds							
Nominal Battery Input Voltage	12.0Vdc*N							
High DC RecoveryVoltage	16.0Vdc*N							
High DCCut-off Voltage	16.5Vdc*N							
No Load Power Consumption	<15W	<25W	50W					
CHARGE MODE SPECIFICATIONS								
Utility Charging Mode								
Charging Algorithm	3 steps							
AC Charging Current(Max)	15A		40A				80A	
Battery Voltage	14.1Vdc*N							
Floating Charging Voltage	13.5Vdc*N							
MPPT SOLAR CHARGING MADE								
Charging Current	60A	60A	60A	100A	100A	60A	120A	
System DC Voltage	12Vdc*N							
Operating Voltage Range	15V/30V-100V		30V/60V-150V				60V-190V	
Max.PV Array Open Circuit Voltage	100Vdc						250Vdc	
DCVoltage Accuracy	±0.3%							
Max Charging Current (AC+Solar)	80A		120A			80A	200A	

Max.Solar Input Power (W)	900W	1800W	3600W	6000W	6000W	3600W	7200W
BMS Communication	5KSupport Lithium Battery BMS Communication						
ParallelOption	5KParallel 9 Units,10K Parallel6 Units						
Compatible Lithium Battery	1.5-10K Support Compatible and Active Lithium Battery						
GENERAL SPECIFICATIONS							
Safety Certification	CE						
Operating Temperature Range	0°C-50°C						
Storage Temperature	-15°C-60°C						
Humidity	5%to 95%Relative Humidity(Non-condensing)						
Product Dimension(D*W*H),mm	L520*W280*H150		L560*W345*H150		L600*W450*H220		
Packing Size(mm)	L620*W360*H250		L660*W430*H250		L700*W530*H350		
Net Weight,kg	32		42		55		
G.W.kg	35		45		62		

Application:

Residential solar energy systems
 Small commercial solar setups
 Off-grid solar energy systems
 Hybrid energy management systems for peak power demand management

Shipping Methods

Supports global air and sea shipping.



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