

# Hybrid Solar Inverter

High Frequency MPPT



**Dynamic Power**



PV input voltage  
up to 450VDC



Working with  
or without battery



Configurable  
grid or solar  
input priority



Smart  
battery charger  
design

# High Frequency (3000W/5000W)

MODEL	SunH Series	
Rated Power	3000W	5000W
INPUT		
Voltage	208VAC/220VAC/230VAC/240VAC	
Selectable Voltage Range	170-280VAC (For Personal Computer) 90-280VAC (For Home Appliances)	
Frequency Range	50Hz/60Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Battery Mode)	208VAC/220VAC/230VAC/240VAC±5%	
Surge Power	6000VA	10000VA
Efficiency (Peak) PV to INV	97%	
Efficiency (Peak) Battery to INV	94%	
Transfer Time	10ms	
Overload Capacity	1min@102%-110% Load, 10s@110%-130% Load, 3s@130%-150% Load, 0.2s@>150% Load	
BATTERY & AC CHARGE		
Battery Voltage	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	32VDC	64VDC
Maximum Charge Current	60A	80A
PV CHARGE		
Maximum PV Array Power	1500W	5500W
MPPT Range Operating Voltage	30-115VDC	120-430VDC
Maximum PV Array Open Voltage	145VDC	450VDC
Maximum Charge Current	60A	80A
Maximum Efficiency	98%	
AC+PV CHARGE		
Maximum Charge Current	120A	80A
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (non-condensing)	
Operating Temperature	0℃ ~ 55℃	
Storage Temperature	-15℃ ~ 60℃	
GENERAL DATA		
Dimensions (D*W*H, mm)	439*320*128	
Net Weight (Kg)	8	9.2
Communication Interface	USB/RS232/GPRS/WIFI	