

ISolar SMH II

Hybrid Solar Inverter

WIFI(optional)

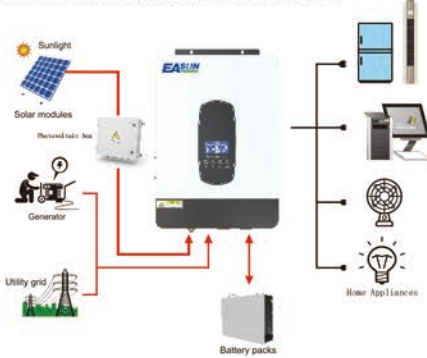


Features

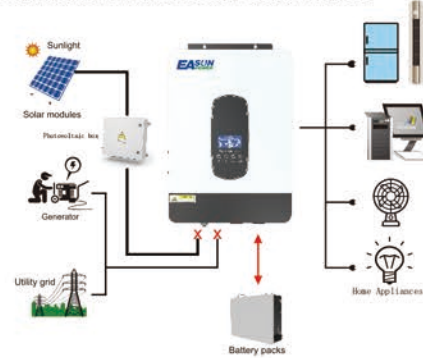
- Pure sine wave inverter
- Programmable supply priority for PV, battery or Grid
- High PV input voltage range(55~450VDC)
- Built-in Max 110A(3.6KW&6.2KW) MPPT solar charge
- Compatible with lithium-ion battery
- Smart battery charge design to optimize battery life
- Overload, high temperature, inverter output short circuit protection
- Cold start function
- Intelligent fan speed adjustment
- Built-in anti-dusk kit for harsh enviromen(optional)
- WIFI&GPRS available for IOS and android

Solar System Connection

Operation with battery connected
Solar Power and AC Power available



Solar Power and AC Power not available



Overview



SP-2200
SP-3200



SP-4000
SP-7000

Max PV Input 2000W/3000W 5000W/6000W	Max PV Voltage 450VDC	Max PV Input Current 27A (For 3.6KW/6.2KW)	MPPT Range 55 ~ 450VDC	MPPT Controller	12/24/48 Volt
AC Output 1800W/3000W 3600W/6200W	Max Charging Current 80/110A	Monitor & Control (Optional)	Communication Port RS232/RS485	Pure Sine Wave Inverter	Wi-Fi Option

Product Data Sheet

MODEL	ISolar SMH II 2.2KW	ISolar SMH II 3.2KW	ISolar SMH II 4.2KW	ISolar SMH II 7KW
Rated Power	2200VA/1800W	3200VA/3000W	4200VA/3800W	7000VA/6200W
INPUT				
Voltage	230VAC			
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)			
Frequency Range	50Hz/60Hz (Auto sensing)			
OUTPUT				
AC Voltage Regulation (Batt.Mode)	230VAC±5%			
Surge power	4400VA	6400VA	8000VA	14000VA
Transfer Time	10ms (for personal computers) 20ms (for home appliances)			
Wave form	Pure Sine Wave			
BATTERY & AC CHARGER				
Battery Voltage	12VDC	24VDC	24VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC	54VDC
Overcharge Protection	15.5VDC	31VDC	31VDC	61VDC
Maximum charge current	60A		80A	
SOLAR CHARGER				
MAX.PV Array Power	2000W	3000W	6000W	6000W
MPPT Range@ Operating Voltage	55-450VDC			
Maximum PV Array Open Circuit Voltage	450VDC			
Maximum Charging Current	80A		110A	
Maximum Efficiency	98%			
PHYSICAL				
Dimension.D*W*H(mm)	405x286x98mm		423x290x100mm	423x310x120mm
Net Weight (kgs)	4.5kg	5.0kg	7.0kg	8.0kg
Communication Interface	RS232/RS485(Standard) GPRS/WIFI(Optional)			
OPERATING ENVIRONMENT				
Humidity	5% to 95% Relative Humidity(Non-condensing)			
Operating Temperature	-10°C to 55°C			
Storage Temperature	-15°C to 60°C			