

# SM-H SERIES

Hybrid Solar Inverter

WIFI(optional)

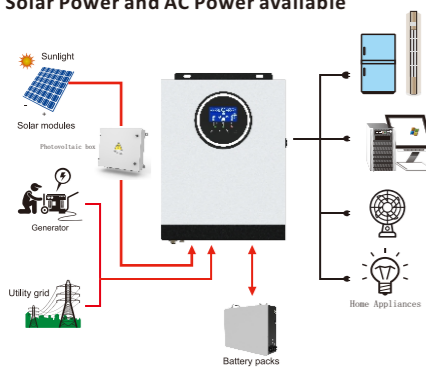


## »» Features

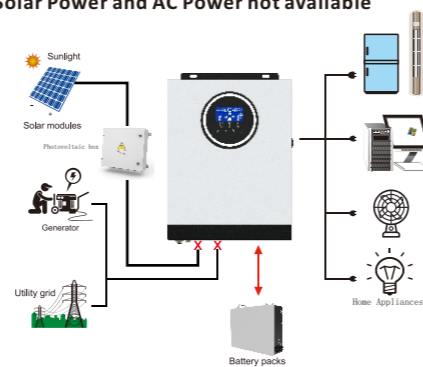
- Pure sine wave inverter
- WIFI&GPRS available for IOS and android
- Built-in 80A MPPT solar charge
- Built-in anti-dusk kit for harsh enviromen(optional)
- Compatibe with lithium-ion battery
- High PV input voltage range(90~450VDC)
- Smart battery charge design to optimize battery life
- Overload,high temperature,inverter output short circuit protection
- Cold start function
- Intelligent fan speed adjustment

## »» Solar System Connection

■ Operation with battery connected  
Solar Power and AC Power available



Solar Power and AC Power not available



## »» Overview



## »» Product Data Sheet

MODEL	SM-2200H	SM-3200H
Rated Power	2200VA/1800W	3200VA/3000W
<b>INPUT</b>		
Voltage	230VAC	
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)	
Frequency Range	50Hz/60Hz (Auto sensing)	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt.Mode)	230VAC±5%	
Surge power	4400VA	6400VA
Transfer Time	10ms (for personal computers) 20ms (for home appliances)	
Wave form	Pure Sine Wave	
<b>BATTERY &amp; AC CHARGER</b>		
Battery Voltage	12VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC
Overcharge Protection	15.5VDC	31VDC
Maximum charge current	60A	
<b>SOLAR CHARGER</b>		
MAX.PV Array Power	2000W	3000W
MPPT Range@ Operating Voltage	90-450VDC	
Maximum PV Array Open Circuit Voltage	450VDC	
Maximum Charging Current	80A	
Maximum Efficiency	98%	
<b>PHYSICAL</b>		
Dimension.D*W*H(mm)	348*282*105mm	
Net Weight (kgs)	5.0kg	5.5kg
Communication Interface	RS232(Standard) GPRS/WIFI(Optional)	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-10°C to 55°C	
Storage Temperature	-15°C to 60°C	