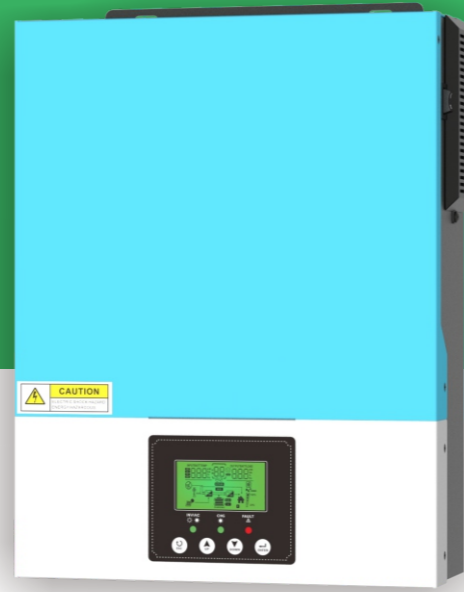


# SM SERIES

Hybrid Solar Inverter

WIFI(optional)

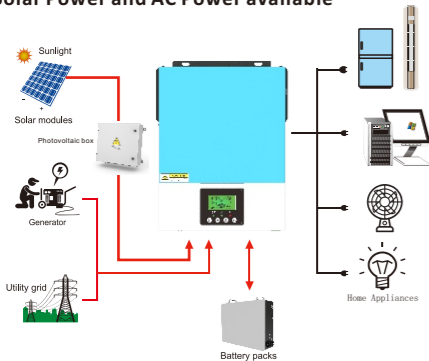


## Features

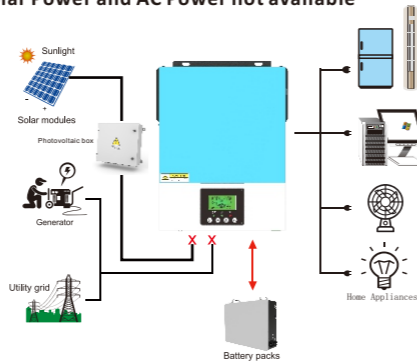
- Pure sine wave solar inverter
- WIFI&GPRS available for IOS and android
- Built-in 80A MPPT solar charger
- Built-in anti-dusk kit for harsh environment(optional)
- Compatibe with lithium-ion battery
- Output power factor 1.0
- High PV input voltage range(90~450VDC)
- Smart battery charge design to optimize battery life
- Solar energy is provided directly to the load first
- Can meet the rich custom needs of customers

## Solar System Connection

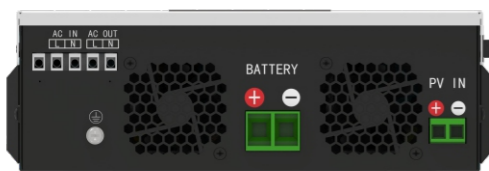
■ Operation with battery connected  
Solar Power and AC Power available



Solar Power and AC Power not available



## Overview



## Product Data Sheet

MODEL	SM-1500-12	SM-2000-12	SM-2400-24	SM-3200-24
Rated Power	1500VA/1500W	2000VA/1600W	2400VA/2400W	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	3000VA	4000VA	4800VA	6400VA
Efficiency(Peak) PV to INV	98%			
Efficiency(Peak) BAT to INV	94%			
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	16VDC			33VDC
Maximum charge current	60A			
<b>SOLAR CHARGER</b>				
MAX.PV Array Power	2000W			3000W
MPPT Range@ Operating Voltage	90-430VDC			
Maximum PV Array Open Circuit Voltage	450VDC			
Maximum Charging Current	80A			
Maximum Efficiency	98%			
<b>PHYSICAL</b>				
Dimension.D*W*H(mm)	348*270*95			
Net Weight (kgs)	4kg			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			

