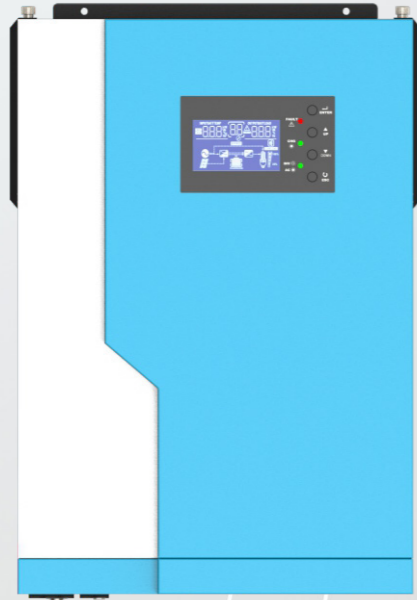
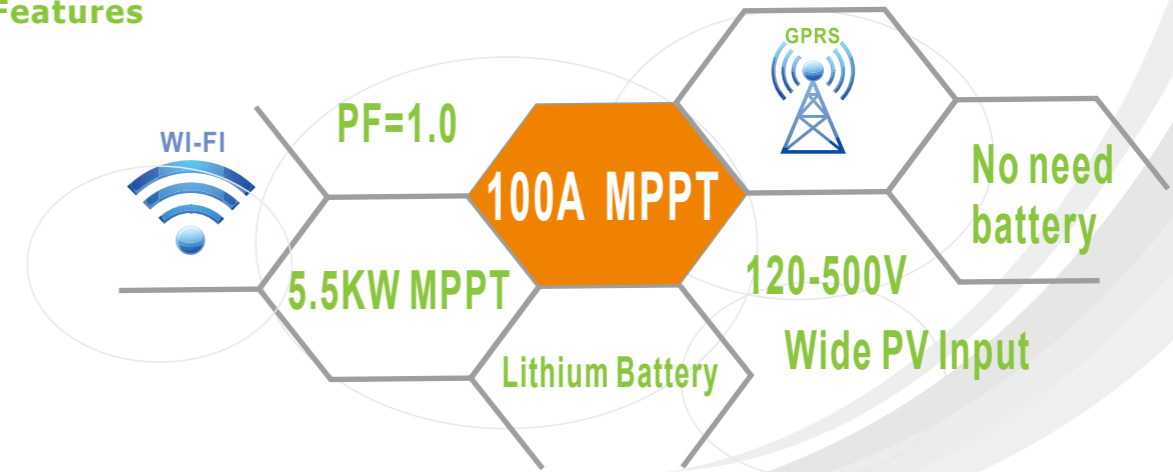


Hybrid Solar Inverter



Key Features



Product Data Sheet

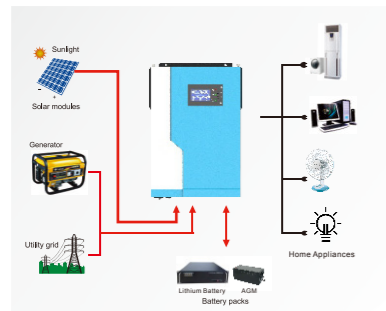
MODEL	ISolar SML II 3.5KW	ISolar SML II 5.5KW
Rated Power	3500VA/3500W	5500VA/5500W
<b>INPUT</b>		
Voltage	230VAC	
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)	
Frequency Range	50Hz/60Hz (Auto sensing)	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt.Mode)	230VAC±5%	
Surge power	7000VA	11000VA
Efficiency(Peak) PV to INV	97%	
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	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	33VDC	63VDC
Maximum charge current	80A	80A
<b>SOLAR CHARGER</b>		
MAX.PV Array Power	5000W	6000W
MPPT Range@ Operating Voltage	120-450VDC	
Maximum PV Array Open Circuit Voltage	500VDC	
Maximum Charging Current	100A	
Maximum Efficiency	98%	
<b>PHYSICAL</b>		
Dimension.D*W*H(mm)	440*300*100	
Net Weight (kgs)	11kg	12kg
Communication Interface	USB/RS232(Standard) GPRS/WIFI(Optional)	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C to 55°C	
Storage Temperature	-15°C to 60°C	

Features

- Pure sine wave solar inverter
- Wifi&GPRS available for IOS and android
- Built-in 100A MPPT solar charger
- Built-in anti-dusk kit for harsh environment
- Output power factor 1.0
- Inverter running without battery
- High PV input voltage range(120~500VDC)
- Smart battery charge design to optimize battery life

System Diagram

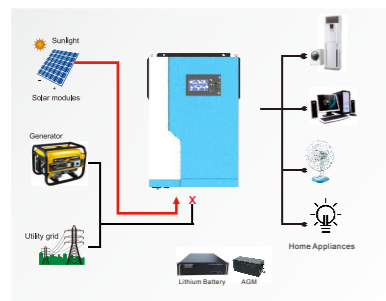
Operation with battery connected  
Solar Power and AC Power available



Solar Power and AC Power not available



Operation without battery connected  
Solar Power available



AC Power available

