

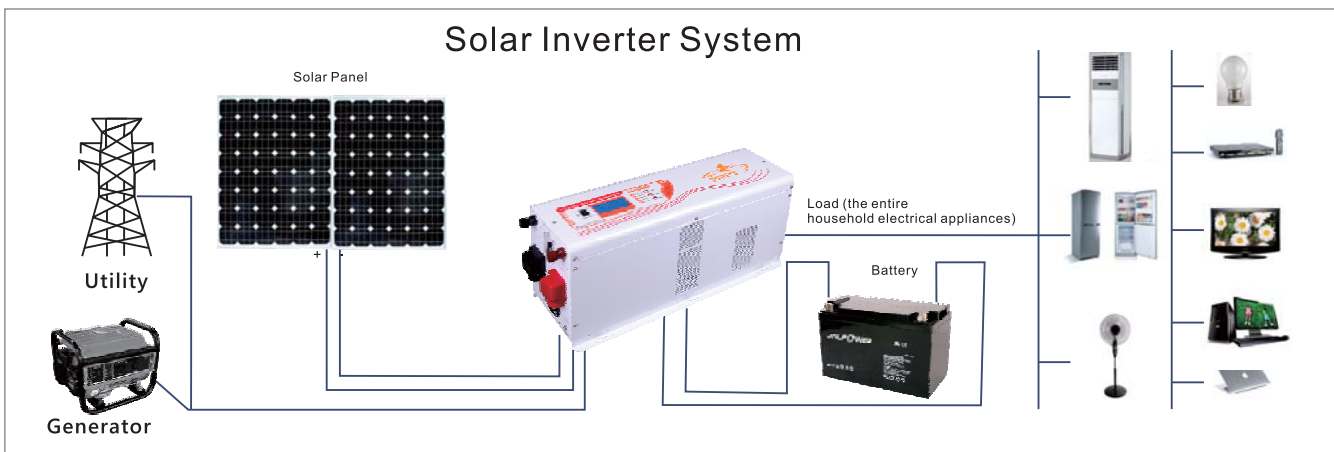


## JSI-SM Hybrid Solar Inverter -MPPT Controller inside

### > MAIN FUNCTION

- Big LCD display
- Over load protection
- Short circuit protection
- Over temperature protection
- Microprocessor Control Guarantees High Reliability
- With Intelligent Big AC Charger
- 5 Step Progressive Charging
- User Select 5 Types Battery
- User Setting Battery Charge Current
- Automatically And Swiftly Line To Battery Switchover
- High Efficiency Using Line-interactive Circuit Technology
- Easy To Install&Easy To Use
- MPPT Solar charge controller built inside
- High-power,Multi-Stage Battery Charge

### Solar System Connection



## Specification

MODEL	JSI-SM 1KW	JSI-SM 2KW	JSI-SM 3KW	JSI-SM 4KW	JSI-SM 5KW	JSI-SM 6KW
<b>SPECIFICATION</b>						
<b>DC INPUT</b>						
Input Voltage(Vdc)	12V/24V			24V/48V		
Min DC start voltage(Vdc)	10V/20V			20V/40V		
<b>AC Bypass</b>						
Nominal Input Voltage1	10V or 230Vac (Waveform: Sine wave or as generator)				230Vac	
Input AC Range(Vac)	90Vac±4%-135Vac±4% or 184Vac±4%-253Vac±4%				184Vac±4%-253Vac±4%	
Frequency Range(HZ)	57Hz or 60Hz (47Hz-53Hz for 50Hz, 57Hz-63Hz for 60Hz)					
Input Frequency(Hz)	50Hz/60Hz (Auto detection)					
Bypass Output Voltage(Vac)	Same as input voltage					
Bypass Output Frequency(Hz)	Same as input frequency					
Max Bypass Overload Current	10A	30A		40A		
AC Efficiency	> 95%					
Transfer Time(ms)	20ms (typical)					
<b>MPPT CHARGE CONTROLLER BUILT INSIDE</b>						
The rated charge current (A)	30A	40A	50A	50A	60A	60A
Solar charge controller(Optional)	PWM 50A	PWM 50A	PWM 50A	PWM 50A	PWM 50A	PWM 50A
Max PV input voltage( Vdc)	≤150Vdc					
The battery voltage (Vdc)	12V/24V/48V Auto identify and adaptive					
<b>CHARGER</b>						
Charge mode Input Voltage Range	80~145Vac or 95~255Vac				100~255Vac	
Automatic Charge mode	Three stage charge mode:Boost CC (constant current stage) → Boost CV (constant voltage stage) → Float (constant voltage stage)					
Nominal Charge Voltage	According to the battery type setup					
Charge Current(A)	17.5A/35A/70A					
Charger Short Circuit Protection	Circuit breaker					
<b>(INVERTER)</b>						
Capacity(VA)	1000	2000	3000	4000	5000	6000
Output Power(W)	1000	2000	3000	4000	5000	6000
Power Factor(PF)	1					
Output Voltage	120V or 230Vac (Sine wave )				230Vac (Sine wave )	
Output Frequency	50/60 ± 0.3Hz(auto tracking main first power connection)					
Wave	pure sine wave					
Inversion Efficiency	>88%					
Over load capacity"	(110%<load<125%) ±10%: Fault (shutdown output) after 15 minutes;					
Low Battery Alarm	10.5Vdc ± 0.3Vdc for 12V battery, 21.0Vdc ± 0.6Vdc for 24V battery, 42.0Vdc ± 1.2Vdc for 48V battery					
Power saverLoad	≤25W					