JALPOWER

JSI-SE

JSI-SE Pure Sine Wave Hybrid Solar Inverter
Transformer less type with MPPT inside

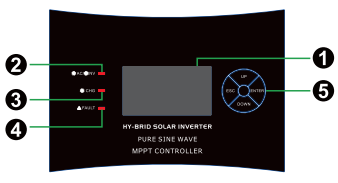
JSI-SE Series High Frequency Hybrid Solar Inverter with MPPT solar charge and AC charger built inside, which can ensure the power supply at night and rainy days. The use can set up the working mode, charge current and battery voltage as need. 4KVA and 5KVA support parallel connection for easy expansion. They very popular, because of their stable quality and advanced features.

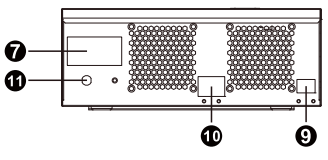
Main Feature

- Real MPPT charge controller built inside,15%-20% higher than PWM charge controller, use solar utmost.
- Pure sine wave, high frequency technology, wall amounted design, light weighted and easy to operate.
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to grid power or generator power
- Auto restart while AC is recovering, auto charge and switch, unattended operation
- Smart battery charger and management for optimized battery performance
- Remote control panel is optional
- High Efficient DC-To-AC Conversion. Minimizing Energy Loss and self power consumption
- All around protection functions: Overload/short circuit protection/high voltage/low battery voltage/high temperature, etc
- Parallel operation with up to 6 units only available for 4KVA/5KVA

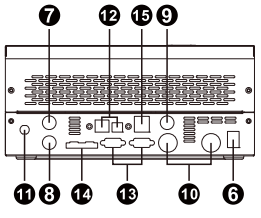
Specification

Model	JSI-SE-1K	JSI-SE-2K	JSI-SE-3K	JSI-SE-5K
The rated power	1000VA/1000W	2000VA/2000W	3000VA/2400W	5000VA/4000W
INPUT				
Voltage	230 VAC			
Selectable Voltage Range	90-280VAC (For Personal Computers), 170-280VAC (For Home Appliances)			
Frequnecy Range	50Hz/60Hz (Auto sensing)			
OUTPUT				
AC Voltage Regulation (Batt. Model)	230VAC ± 5%			
Surge Power	2000VA	4000VA	6000VA	10000VA
Power factor	1.0		0.8	
Efficiency(Peak)	90%	93%	>90%	
Transfer Time	10ms (For Personal Computers), 20ms (For Home Appliances)			
Wave form	Pure sine wave			
No load current	1.25A	0.75A	1.36A	1.15A
BATTERY				
Battery voltage	12VDC	24VDC	24VDC	48VDC
Low battery alarming voltage	11.0VDC	22.5VDC	22.5VDC	43.5VDC
Low battery cut off protection voltage	10.5VDC	21VDC	21VDC	42VDC
Low battery recovery voltage	11.75VDC	23.5VDC	23.5VDC	45.5VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC	54VDC
Overcharge Protection	16VDC	32VDC	32VDC	62VDC
MPPT SOLAR CHARGER & AC CHARGER				
Maximum PV Array Power	480W	960W	1440W	3880W
MPPT Range Operation Vol	15-80VDC	30-80VDC	18-145VDC	36-115VDC
Maximum PV Array Open Circuit Vol.	100VDC		145VDC	
Standby Power Consumption	15W	18W	2W	
Maxmum Solar Charge Current	40A		60A	80A
Maxmum AC Charge Current	20A		60A	
Maxmum Charge Current	60A		120A	
Maxmum Efficiency	98%			
BEST PANEL CONFIGUTATION				
Max. generated from solar charger	40A,480W	40A,960W	60Amp, 1800W	80Amp, 4800W
Best Panel configuration	250Wp*2pcs*30V(420Wp)	250Wp*4pcs*30V(1000Wp)	250Wp*6pcs*30V(1500wp)	250Wp*18pcs*30V (4500Wp)
PHYSICAL				
Products Dimension, D*W*H(mm)	322*227*104mm	322*227*104mm	465*300*116mm	470.5*300*136mm
Packing size, D*W*H(mm)	395*325*195	395*325*195	543*394*205	549*394*224
Net Weight (kgs)	5.5KG	6.0KG	N.W.: 8.4, G.W.: 10.1KGS	N.W.: 10.81, G.W.: 12.86KGS
OPERATING ENVIRONMENT				
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Operation Temperature	0℃-50℃			





1-3KVA model



4KVA/5KVA parallel model

1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
6. Power on/off switch
7. AC input
8. AC output
9. PV input
10. Battery input
11. Circuit breaker
12. RS232 communication port
13. Parallel communication cable (only for parallel model)
14. Current sharing cable (only for parallel model)
15. Dry contact