

JALpower Solar Grid-connected Inverter

JSI-G1.5K/G2.5K



General Descriptions:

JSI-G1.5K & JSI-G2.5K is a transformerless inverter with higher efficiency. Its aluminum housing makes it very compact, robust and light in weight. The direct plug-in terminal port provides easy, safe and reliable cable connection under any circumstances. It can be used for string-connected outdoor small PV power station, or individually for a small house.

Technical Features:

- Using the fifth generation of Mitsubishi IPM module increases system efficiency dramatically
- MPPT self-optimizing technology maximizes the system power generating capacity
- Multi-lingual LCD display feature enables free-setting functions
- Multiple communication interfaces provide easy and convenient workstation online monitoring features
- complete protection features ensures greater reliability of the system
- Wide DC input voltage range
- User-friendly interface enables setting various operating parameters by pressing a button
- Multiple inverters can be connected in parallel to simplify power plant design
- high-quality aluminum housing design makes it compact in size, light in weight and easy to install
- Direct plug-in waterproof terminal ports
- CE Certification

Communications:

- RS485/Ethernet/GPRS interfaces
- Computer monitoring software

Safety:

- Full protection functions: over-voltage protection, short-circuit protection, islanding protection, over-heat protection
- Over-load protection
- Standards complied: EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN61000-3-2,

Technical Specifications :		
Model	JSI-G1.5K	JSI-G2.5K
DC Input		
Max. DC Voltage	450Vdc	450Vdc
MTTP Range	150~380Vdc	150~380Vdc
Max. DC Power	1700Wp	2800Wp
Max. Input Current	12A	15A
Max.Number of Strings	1	2
AC Output		
Output Power	1500W	2500W
Operating Voltage	180~260Vac	180~260Vac
Operating Frequency	50Hz/60Hz	50Hz/60Hz
Current THD	< 3%(at nominal power)	< 3%(at nominal power)
Power Factor	~1(at nominal power)	~1(at nominal power)
System		
Max. Efficiency	95%	95%
Euro Efficiency	93%	93%
Protection Degree	IP41 (indoor)	IP41 (indoor)
Operating Temp.	-20~+40°C	-20~+40°C
Ventilation Method	natural cooling	natural cooling
Humidity	0~95%, non-condensing	0~95%, non-condensing
Acoustic Noise Level	<40dBA	<40dBA
Comm. Interfaces	standard: RS485	standard: RS485
	optional: ethernet/GPRS	optional: ethernet/GPRS
Display	LCD	LCD
Mechanical Data		
W H D	288 417 123 (mm)	288 467 123 (mm)
Weight	10.3kg	11.3kg