

# JALpower Solar Grid-connected Inverter

## JSI-G5K-O/G6K-O



### General Descriptions:

JSI-G5K/ G6K –O is using low-frequency isolation transformer for protection purpose for outdoor applications. The direct plug-in terminal port provides easy, safe and reliable cable connection under any circumstances. It is the ideal product used for string-connected 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
- 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, EN61000-3-3, EN60164-1-1,EN55022, EN50178

### Technical Specifications

<b>MODEL</b>	JSI-G5K-O	JSI-G6K-O
<b>DC Input</b>		
Max. DC Voltage	780Vdc	780Vdc
MTTP Range	300~650Vdc	320~650Vdc
Max. DC Power	5500Wp	6600Wp
Max. Input Current	20A	20A
Max.Number of Strings	4	4
<b>AC Output</b>		
Output Power	5000W	6000W
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)
<b>System</b>		
Max. Efficiency	94%	94%
Euro Efficiency	93%	93%
Protection Degree	IP65 (outdoor)	IP65 (outdoor)
Operating Temp.	-25~+60°C	-25~+60°C
Ventilation Method	fan cooling	fan cooling
Humidity	0~95%, non-condensing	0~95%, non-condensing
Acoustic Noise Level	<40dBA	<40dBA
Comm. Interfaces	standard: RS485 optional: ethernet/GPRS	standard: RS485 optional: ethernet/GPRS
Display	LCD	LCD
<b>Mechanical Data</b>		
W   H   D	410 580 283 (mm)	410 580 283 (mm)
Weight	65kg	65kg