

# JALpower Solar Grid-connected Inverter

## JSI-G5K/G6K



### General Descriptions:

JSI-G5K/ G6K is using low-frequency isolation transformer for protection purpose for indoor 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
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## Technical Specifications

<b>MODEL</b>	JSI-G5K	JSI-G6K
<b>DC Input</b>		
Max. DC Voltage	780Vdc	780Vdc
MTTP Range	200~650Vdc	220~650Vdc
Max. DC Power	5500Wp	6600Wp
Max. Input Current	25A	25A
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	IP20 (indoor)	IP20 (indoor)
Operating Temp.	-20~+40°C	-20~+40°C
Ventilation Method	Controlled forced- fan cooling	Controlled forced- 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	350 596 243(mm)	350 596 243(mm)
Weight	57kg	57kg