

# JALpower Solar Grid-connected Inverter

## JSI-G3K

### General Descriptions:

JSI-G3K 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



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### Technical Specifications

<b>MODEL</b>	JSI-G3K
<b>DC Input</b>	
Max. DC Voltage	450Vdc
MTTP Range	200~380Vdc
Max. DC Power	3300Wp
Max. Input Current	18A
Max. Number of Strings	2
<b>AC Output</b>	
Output Power	3000W
Operating Voltage	180~260Vac
Operating Frequency	50Hz/60Hz
Current THD	< 3%(at nominal power)
Power Factor	~1(at nominal power)
<b>System</b>	
Max. Efficiency	94%
Euro Efficiency	93%
Protection Degree	IP65 (outdoor)
Operating Temp.	-25~+60 °C
Ventilation Method	natural cooling
Humidity	0~95%, non-condensing
Acoustic Noise Level	<40dBA
Comm. Interfaces	standard: RS485 optional: ethernet/GPRS
Display	LCD
<b>Mechanical Data</b>	
W   H   D	490 380 225 (mm)
Weight	44kg