

JALpower solar Grid-connected inverter

JSI-G250K3



General Descriptions:

JSI-G250K3 is using low-frequency isolation transformer for protective purpose. Its wider input voltage range ensures more combinations of the PV arrays. Moreover, optical fiber isolation technology has been adopted to increase its anti-interference ability under the circumstances of multiple inverters installation. In addition, optimized circuit and structural design has improved system thermal efficiency which enhancing system reliability and stability. Reinforced protection functions, including the DC ground fault protection, make it the best product for large scale PV power plant.

Technical Features:

- Wide DC input voltage range
- High conversion efficiency up to 97% (with transformer)
- Advanced IGBT module boosts reliability and stability
- Complete protection features ensures greater reliability of the system
- Easy installation and use
- Accurate output power measurement
- Multi-lingual LCD display & Multiple communication interfaces
- Can be continuously operating at rated power under +55°C without derating
- DK5940, TÜV & 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

- DC ground-fault 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, DK5940, TÜV

Technical Specifications

MODEL	JSI-G250K3
DC DATA	
Max. DC Voltage	880Vdc
MPP Voltage Range	450~820Vdc
Max. DC Power	275kWp
Max. Input Current	600A
Max. Number of Strings	8
AC DATA	
Output Power	250kW
Nominal Grid Voltage	400Vac
Nominal Grid Frequency	50/60Hz
Current THD	< 3% (at nominal power)
Power Factor	0.99 (at nominal power)
SYSTEM	
Max. Efficiency	97.10%
Euro Efficiency	96.00%
Protection Degree	IP20 (indoor)
Operating Temp.	-20~+40
Cooling Method	Controlled forced-air cooling
Comm. Interfaces Optional Display Relative Humidity	0~95%, non-condensing RS485 ethernet/GPRS touch screen LCD
MECHANICAL DATA	
W H D	2400 2180 850 (mm)
Weight	1700kg