

JALpower solar Grid-connected inverter

JSI-G100K3



General Descriptions:

JSI-G100K3 is using low-frequency isolation transformer for outdoor applications. It can be continuously operating at rated power under +55°C without abating. It is the ideal product used for string-connected large PV power station to simplify PV power plant design. In addition, wider input voltage range ensures more combinations of the PV arrays. It is one of the highest cost-effective grid-connected inverters in the world.

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 abating.
- 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

·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-G100K3
DC INPUT	
Max. DC Voltage	880Vdc
MTTP Range	450~820Vdc
Max. DC Power	110kWp
Max. Input Current	250A
Max. Number of Strings	4
AC OUTPUT	
Output Power	100kW
Operating Voltage	400Vac
Nominal Current	145A
Grid Structure	TT, TN-C, TC-S
Operating Frequency	50Hz/60Hz
Voltage Ripple, PV Voltage	< 3%
Current THD	< 3% (at nominal power)
Power Factor	0.99 (at nominal power)
SYSTEM	
Max. Efficiency	96.80%
Euro Efficiency	96.10%
Protection Degree	IP20 (indoor)
Operating Temp.	-20~+55 C
Ventilation Method	controlled forced-air cooling
Humidity	0~95%, non-condensing
Display	LCD
Comm. Interfaces	RS485
optional	Ethernet/GPRS
Self-Consumption in Operation	<1% of Pnom
Standby Power Consumption	<30W
External Auxiliary Voltage	230V, 50Hz/60Hz
Ground Fault Monitoring	Yes
Emergency Stop	Yes
Power Switch AC Side	Yes

Power Switch DC Side	Yes
Fresh Air Consumption	1620m /h3
MECHANICAL DATA	
W H D	1020 1964 770 (mm)
Weight	800kg
STANDARDS	
EMC	EN61000-6-2, EN61000-6-4
Safety	EN50178, IEC62109
CE Conformity	Yes
Others	RD1663/2000, DK5940