

## Sun Access Inverters

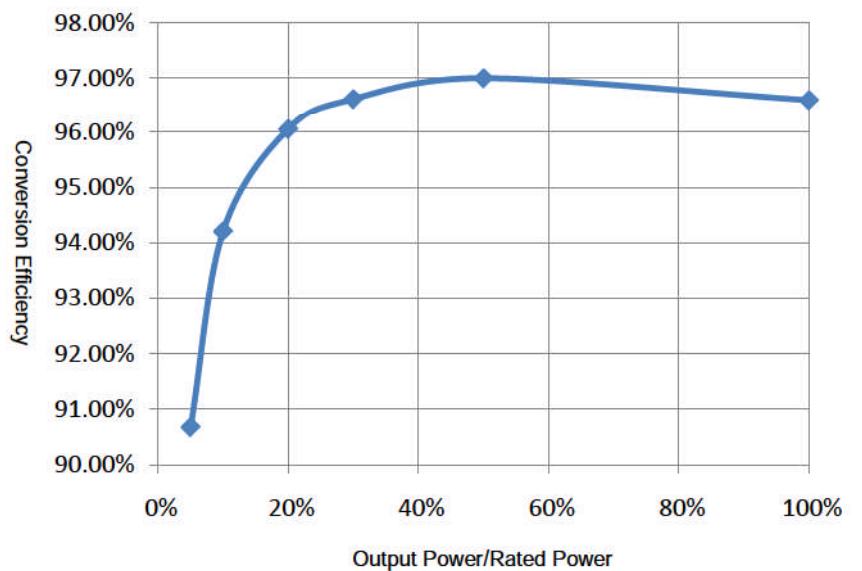
# SG 100K3

### Features:

- Wide DC input voltage range
- Max. efficiency at 97.0%
- MPPT efficiency > 99.9%
- Using advanced IGBT modules
- Full protective functions
- Easy Installation and maintenance
- Precise output power metering
- Multilingual LCD display & multiple communication interfaces
- Auxiliary heater (optional)
- Max. working altitude at 6000m
- Low voltage ride through, reactive and active power control
- KEMA DK5940, TÜV CE certifications



### Efficiency Curve:



## Technical Specifications:

SG 100K3

### DC SIDE DATA

Max. DC Voltage	880Vdc
MPP Voltage Range	450~820Vdc
Max. DC Power	110kWp
Max. Input Current	250A
Max. Number of String	6

### AC SIDE DATA

Rated Output Power	100kW
Rated Grid Voltage	400Vac
Grid Voltage Range	310~450Vac
Rated Grid Frequency	50Hz/60Hz
Grid Frequency Range	47~51.5Hz/57~61.5Hz
Output Current THD	< 3% (at nominal power)
Power Factor	≥0.99 (at nominal power)

### SYSTEM

Max. Efficiency	97.0% (with transformer)
Euro. Efficiency	96.4% (with transformer)
Protection Degree	IP20 (indoor)
Power Consumption at Night	<30W
Operating Temperature	-25~+55°C
Cooling Method	controlled forced-air cooling
Relative Humidity	0~95%, non-condensing
Max. Working Altitude	6000m

### DISPLAY AND COMMUNICATIONS

Display	LCD
Standard Comm. Interfaces	RS485
Optional Comm. Interfaces	Ethernet/GPRS

### MECHANICAL DATA

Dimensions (WxHxD)	1020x1964x770mm
Net Weight	925kg



## Circuit Diagram:

