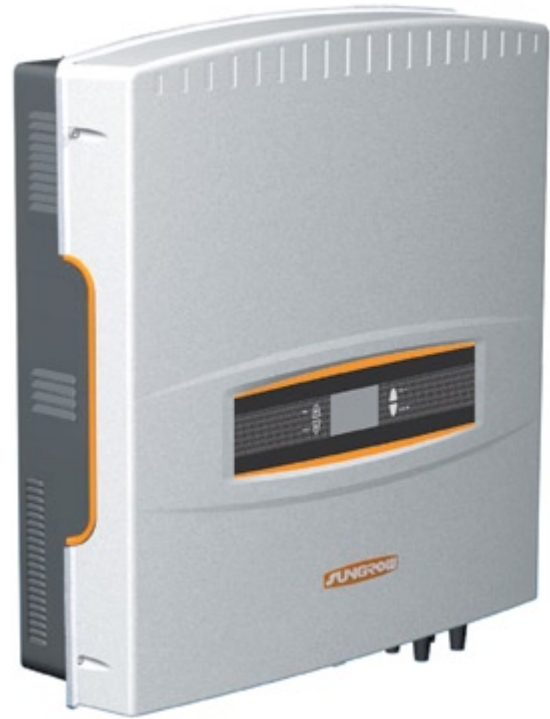


- **SG 10KTL**
- **SG 15KTL**
- **SG 20KTL**

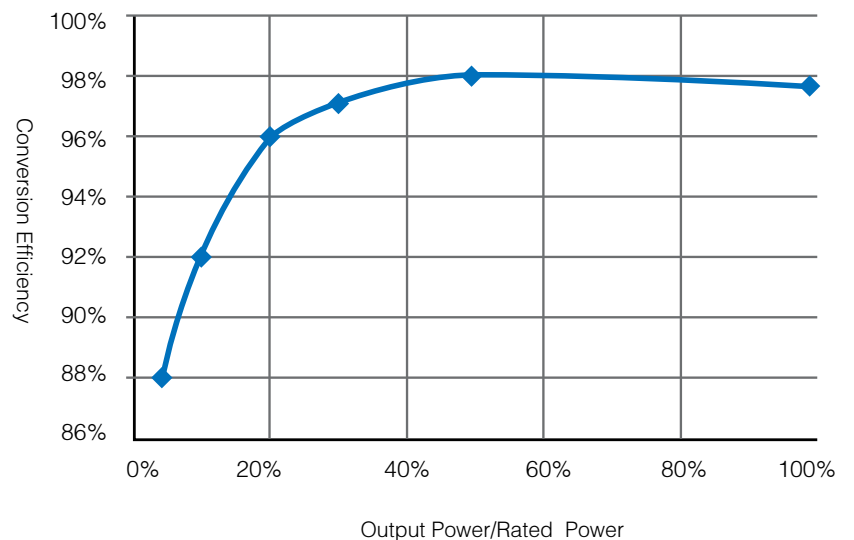


Features:

- Max. efficiency at 98%
- Double MPP trackers for different installation inclinations
- Weather-proof design (IP54) for harshest working environment
- Easy-setting multilingual LCD display panel
- Multiple communication interfaces
- High reliability with full protective functions
- Wide DC input voltage range
- Compact design with high quality aluminium housing
- Max. working altitude at 6000m
- Water-proof direct plug-in terminals
- CE certification



Efficiency Curve:



Technical Specifications:

	SG 10KTL	SG 15KTL	SG 20KTL
DC SIDE DATA			
Max. DC Voltage	800Vdc	800Vdc	800Vdc
MPP Voltage Range	250~800Vdc	250~800Vdc	250~800Vdc
Max. DC Power	11kWp	15.3kWp	22kWp
Max. Input Current	36A (18A*2)	54A (18A*2)	70A (35A*2)
Max. Number of String	2	2	2
AC SIDE DATA			
Rated Output Power	10kW	15kW	20kW
Rated Grid Voltage	400Vac	400Vac	400Vac
Grid Voltage Range	310~450Vac	310~450Vac	310~450Vac
Rated Grid Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Grid Frequency Range	47~51.5Hz/57~61.5Hz	47~51.5Hz/57~61.5Hz	47~51.5Hz/57~61.5Hz
Output Current THD	< 3% (at nominal power)	< 3% (at nominal power)	< 3% (at nominal power)
Power Factor	≥0.99 (at nominal power)	≥0.99 (at nominal power)	≥0.99 (at nominal power)
SYSTEM			
Max. Efficiency	97.6%	98.0%	97.5%
Euro. Efficiency	96.8%	97.2%	96.8%
Protection Degree	IP54 (outdoor)	IP54 (outdoor)	IP54 (outdoor)
Power Consumption at Night	0W	0W	0W
Operating Temperature	-25~+60°C	-25~+60°C	-25~+60°C
Cooling Method	controlled forced-air cooling	controlled forced-air cooling	controlled forced-air cooling
Relative Humidity	0~95%, non-condensing	0~95%, non-condensing	0~95%, non-condensing
Max. Working Altitude	6000m	6000m	6000m
DISPLAY AND COMMUNICATIONS			
Display	LCD	LCD	LCD
Standard Comm. Interfaces	RS485	RS485	RS485
Optional Comm. Interfaces	Ethernet/GPRS/blue tooth	Ethernet/GPRS/blue tooth	Ethernet/GPRS/blue tooth
MECHANICAL DATA			
Dimensions (WxHxD)	675x695x200mm	648x666x240mm	675x695x200mm
Net Weight	40kg	45kg	50kg

