

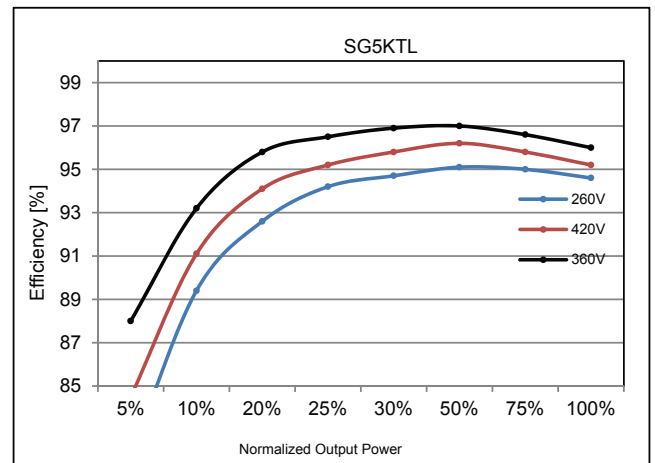


SG 5KTL

Features:

- Max. efficiency at 97.3%
- Weather-proof design (IP54) for harshest working environment
- Easy-setting multilingual LCD display panel
- High reliability with full protective functions
- Compact design with high quality aluminium housing
- TÜV ,Enel-GUIDA, AS4777, G59/2, CE certification.

Efficiency Curve



Technical Specifications:

SG 5KTL	
DC SIDE DATA	
Max. DC Voltage	520Vdc
Start Voltage	170V
MPP Voltage	260V~420V
Min. DC Voltage	150V
Max. DC Power	5500Wp
Max. Input Current	20A
Number of MPP Trackers/Strings Per MPP Tracker	1/3
AC SIDE DATA	
Rated Output Power	5000W
Max. AC Output Current	25A
Rated Grid Voltage	230Vac
Grid Voltage Range	180~276Vac
Rated Grid Frequency	50Hz/60Hz
Grid Frequency Range	47~52Hz/57~62Hz
Output Current THD	<3% (at nominal power)
DC Current Injection	<0.5% of rated inverter output current
Power factor (cos ϕ)	1 (at nominal power)
SYSTEM	
Max. Efficiency	97.3%
Euro. Efficiency	96.5%
Protection Degree	IP54
Power Consumption at Night	0W
Operating Temperature	-25~+60°C
Cooling Method	controlled forced-air cooling
Relative Humidity	0~95%, non-condensing
Max. Working Altitude	2000m
DISPLAY AND COMMUNICATIONS	
Display	LCD
Standard Comm. Interfaces	RS485
Optional Comm. Interfaces	Ethernet
MECHANICAL DATA	
Dimensions (WxHxD)	415x530x176mm
Net Weight	26kg

Circuit Diagram: