

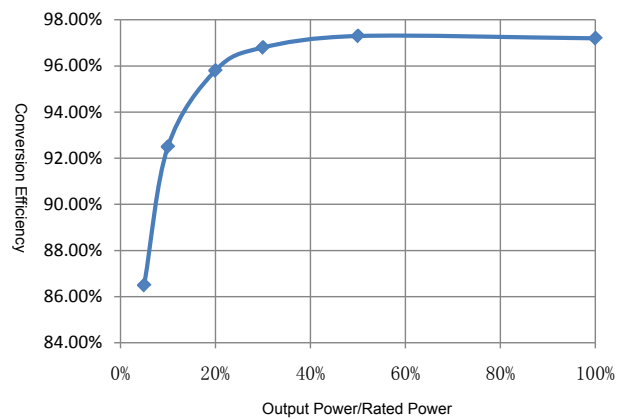


## SG2K5TL/SG 3KTL / SG 4KTL-3I

### Features:

- Max. efficiency at 97.3%
- Weather-proof design (IP65) for harshest working environment
- Easy-setting multilingual LCD display panel
- High reliability with full protective functions
- Water-proof direct plug-in terminals
- TÜV ,Enel-GUIDA,AS4777,G83/1,G59/2,CE certification.

Efficiency Curve: (at  $V_{dc}=350V$ )



**Technical Specifications:**

	SG 2K5TL-31	SG 3KTL-31	SG 4KTL-31
<b>DC SIDE DATA</b>			
Max. DC Voltage		500Vdc	
Start Voltage		170V	
MPP Voltage	180~420V	180~400V	210~400V
Min. DC Voltage		150V	
Max. DC Power	2800Wp	3300Wp	4400Wp
Max. Input Current	15A	18A	20A
Recommend PV Array Open Circuit Voltage		400V	
Number of MPP Trackers/Strings Per MPP Tracker		1/3	
<b>AC SIDE DATA</b>			
Rated Output Power	2500W	3000W	4000W
Max. AC Output Current	12A	15A	20A
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)		0.9 ( lagging ) ~0.9 ( leading )	
<b>SYSTEM</b>			
Max. Efficiency	97.3%	97.3%	97.3%
Euro. Efficiency	96%	96.2%	96.3%
Protection Degree		IP65	
Power Consumption at Night		0W	
Operating Temperature		-25~+60°C	
Cooling Method	natural cooling	natural cooling	controlled forced-air cooling
Relative Humidity		0~95%, non-condensing	
Max. Working Altitude		2000m	
<b>DISPLAY AND COMMUNICATIONS</b>			
Display		LCD	
Standard Comm. Interfaces		RS485	
Optional Comm. Interfaces		Ethernet	
<b>MECHANICAL DATA</b>			
Dimensions ( WxHxD )		415x530x176mm	
Net Weight		21kg	

**Circuit Diagram:**

