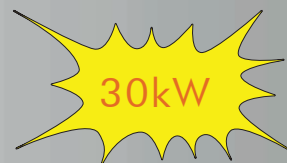




## String Inverters without Transformer

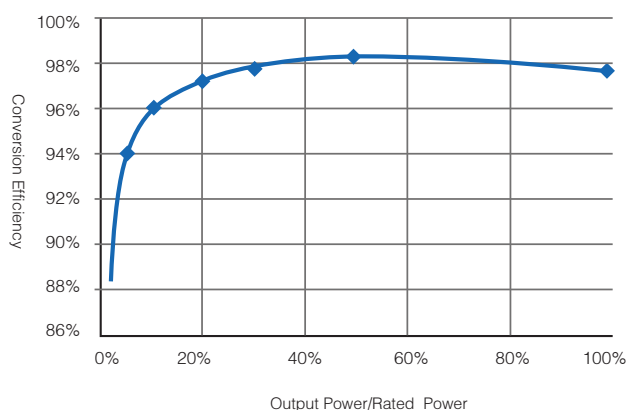


## SG 30KTL

### Features:

- Reactive Power Control with power factor from 0.9 lagging to 0.9 leading
- German BDEW medium voltage guideline certification
- Max. efficiency at 98.2%
- Wide DC input voltage range with max. 1000V
- Two MPP trackers for different installation inclinations
- DC shutdown switch
- Weather-proof design (IP65) for harshest working environment
- Independent wiring chamber, optional DC fuse wire and DC SPD
- Light weight and small volume, easy to be installed onto the wall
- Simple and flexible to access with waterproof plug&play MC4 terminals or PG terminals
- TÜV, CE certification, CEI 0-21, G59/2, AS4777 Compliant, VDE AR N 4105, BDEW, CGC certification

Efficiency Curve: (at  $V_{dc}=600V$ )



## Technical Specifications:

SG 30KTL	
<b>DC SIDE DATA</b>	
Max. DC Voltage	1000Vdc
Start Voltage	300V
MPP Voltage	480~800V
Min. DC Voltage	300V
Max. Input Current	66A ( 33A*2 )
Number of MPP Trackers/Strings Per MPP Tracker	2/5
<b>AC SIDE DATA</b>	
Rated Output Power	30kW
Max Output Power	33.3kVA
Max. AC Output Current	48A
Rated Grid Voltage	400Vac
Grid Voltage Range	310~450Vac
Rated Grid Frequency	52Hz/62Hz
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	0.9 ( lagging ) ~0.9 ( leading )
<b>SYSTEM</b>	
Max. Efficiency	98.2%
Euro. Efficiency	97.8%
Protection Degree	IP65
Power Consumption at Night	<1W
Operating Temperature	-25~+60°C
Cooling Method	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 )	626x814x234mm
Net Weight	65kg

