



String Inverters without Transformer

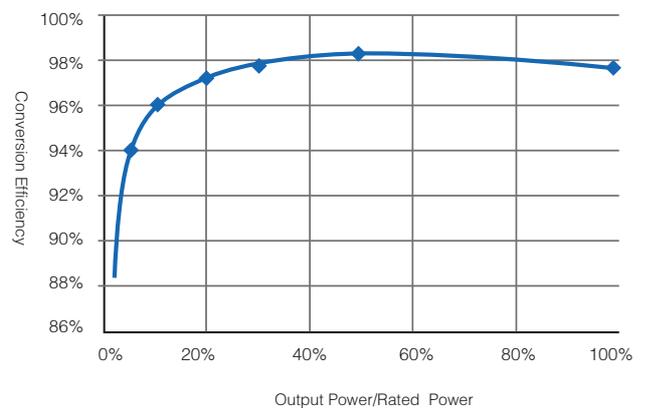


SG 30KTL

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 | |
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| DC SIDE DATA | |
| 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 |
| AC SIDE DATA | |
| 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) |
| SYSTEM | |
| 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 |
| DISPLAY AND COMMUNICATIONS | |
| Display | LCD |
| Standard Comm. Interfaces | RS485 |
| Optional Comm. Interfaces | Ethernet |
| MECHANICAL DATA | |
| Dimensions (WxHxD) | 626x814x234mm |
| Net Weight | 65kg |

