

# Sun Access™

10/12/15kW  
**NEW**



## SG 10KTL / SG 12KTL / SG 15KTL

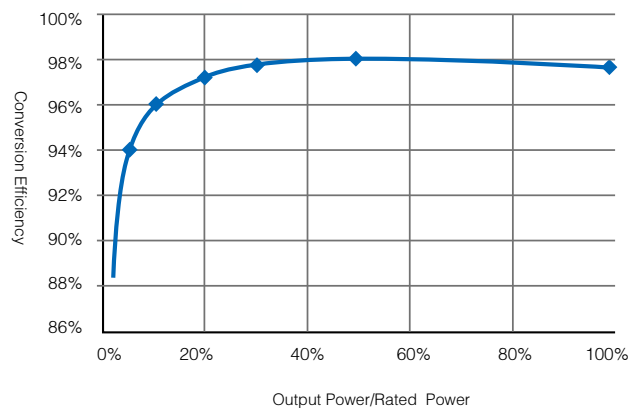


DK5940 C E

### Features:

- Power reduction (100%, 60%, 30%, 0%) meet German EEG requirements
- Reactive Power Control with power factor from 0.9 lagging to 0.9 leading
- Max. efficiency at 98%
- Wide DC input voltage range with max. 1000V
- Double MPP trackers for different installation inclinations
- Embedded DC switch
- Weather-proof design (IP65) for harshest working environment
- Easy-setting multilingual LCD display panel
- High reliability with full protective functions
- Compact design with high quality aluminium housing
- Water-proof direct plug-in terminals
- TÜV certification, KEMA DK5940

### Efficiency Curve: (at V<sub>dc</sub>=600V)



**Technical Specifications:**

	SG 10KTL	SG 12KTL	SG 15KTL
<b>DC SIDE DATA</b>			
Max. DC Voltage		1000Vdc	
Start Voltage		270V	
MPP Voltage	250~800V	330~800V	380~800V
Min. DC Voltage		250V	
Max. DC Power	10.4kWp	12.5kWp	15.6kWp
Max. Input Current		40A ( 20A*2 )	
Recommend PV Array Open Circuit Voltage		700V	
Number of MPP Trackers/Strings Per MPP Tracker		2/3	
<b>AC SIDE DATA</b>			
Rated Output Power	10kW	12kW	15kW
Max. AC Output Current	15A	20A	24A
Rated Grid Voltage		400Vac	
Grid Voltage Range		310~450Vac	
Rated Grid Frequency		50Hz/60Hz	
Grid Frequency Range		47~51.5Hz/57~61.5Hz	
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	98.0%	98.0%	98.0%
Euro. Efficiency	97.2%	97.2%	97.3%
Protection Degree		IP65 ( outdoor )	
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	
<b>DISPLAY AND COMMUNICATIONS</b>			
Display		LCD	
Standard Comm. Interfaces		RS485	
Optional Comm. Interfaces		Ethernet/blue tooth	
<b>MECHANICAL DATA</b>			
Dimensions ( WxHxD )	648x695x232mm	648x695x232mm	648x695x232mm
Net Weight	45kg	51kg	55kg