

# Sun Access™



**SG 3KTL / SG 4KTL / SG 5KTL**

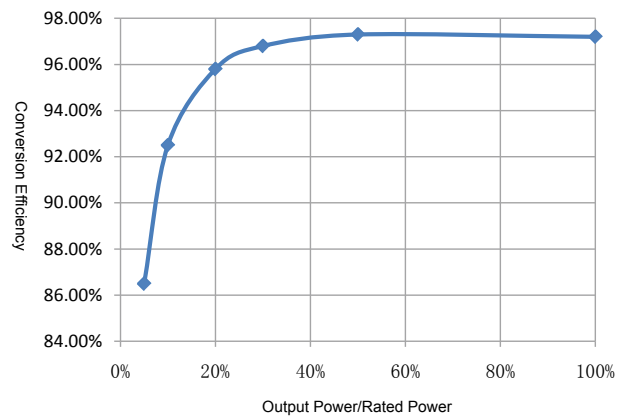


**AS4777 DK5940 C E**


## 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
- Water-proof direct plug-in terminals
- TÜV certification, KEMA DK5940, VDE 0126-1-1 Comp liant, AS 4777 certification

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



## Technical Specifications:

	SG 3KTL	SG 4KTL	SG 5KTL 
<b>DC SIDE DATA</b>			
Max. DC Voltage		520Vdc	
Start Voltage		170V	
MPP Voltage	180~420V	210~420V	260~420V
Min. DC Voltage		150V	
Max. DC Power	3300Wp	4400Wp	5500Wp
Max. Input Current	18A	20A	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	3000W	4000W	5000W
Max. AC Output Current	15A	20A	25A
Rated Grid Voltage		230Vac	
Grid Voltage Range		180~260Vac	
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		≥0.99 (at nominal power)	
<b>SYSTEM</b>			
Max. Efficiency	97.3%	97.3%	97.3%
Euro. Efficiency	96.2%	96.5%	96.5%
Protection Degree		IP54 (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)	415x530x176mm	415x530x176mm	415x530x176mm
Net Weight	26kg	26kg	26kg

## Circuit Diagram:

