

Technical Specifications:

SG 500KTL	
DC SIDE DATA	
Max. DC Voltage	900Vdc
MPP Voltage Range	450~820Vdc
Max. DC Power	550kWp
Max. Input Current	1200A
Recommend PV Array Open Circuit Voltage	700V
AC SIDE DATA	
Rated Output Power	500kW
Rated Grid Voltage	315Vac
Grid Voltage Range	250~362Vac
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)
SYSTEM	
Max. Efficiency	98.7%
Euro. Efficiency	98.5%
Protection Degree	IP20 (indoor)
Power Consumption at Night	<100W
Operating Temperature	-25~+55°C
Cooling Method	controlled forced-air cooling
Relative Humidity	0~95%, non-condensing
Max. Working Altitude	6000m (operation with derating above 3000m)
DISPLAY AND COMMUNICATIONS	
Display	touch screen LCD
Standard Comm. Interfaces	RS485
Optional Comm. Interfaces	Ethernet/GPRS
MECHANICAL DATA	
Dimensions (WxHxD)	2800x2180x850mm
Net Weight	2288kg

Certificates:



CE DK5940

Circuit Diagram:

