

Technical Specifications:

	SG 5K	SG 6K
DC SIDE DATA		
Max. DC Voltage	780Vdc	
MPP Voltage Range	300~650Vdc	320~650Vdc
Max. DC Power	5500Wp	6600Wp
Max. Input Current	20A	
Recommend PV Array Open Circuit Voltage	600V	
Number of MPP Trackers/Strings Per MPP Tracker	1/4	
AC SIDE DATA		
Rated Output Power	5kW	6kW
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)	
SYSTEM		
Max. Efficiency	94.5% (with transformer)	94.5% (with transformer)
Euro. Efficiency	93.6% (with transformer)	93.8% (with transformer)
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	
DISPLAY AND COMMUNICATIONS		
Display	LCD	
Standard Comm. Interfaces	RS485	
Optional Comm. Interfaces	Ethernet/GPRS	
MECHANICAL DATA		
Dimensions (WxHxD)	410x580x283mm	
Net Weight	58.84kg	62.6kg

Certificates:



Circuit Diagram:

