

Technical Specifications:

	SG 100KC	
DC SIDE DATA		
Max. DC Voltage	600Vdc	
MPP Voltage Range	300~600Vdc	
Max. DC Power	105kWp	
Max. Input Current	340A	
Recommend PV Array Open Circuit Voltage	450V	
AC SIDE DATA		
Rated Output Power	100kW	
Rated Grid Voltage	600Vac	
Grid Voltage Range	540~660Vac	
Rated Grid Frequency	60Hz	
Grid Frequency Range	59.3~60.5Hz	
Output Current THD	<5%	
DC Current Injection	<0.5% of rated inverter output current	
Power Factor	0.95 (lagging) ~0.95 (leading)	
SYSTEM		
CEC Weighted Efficiency	96.5% (with transformer)	
Protection Degree	IP20 (indoor)	TYPE 1
Power Consumption at Night	<30W	
Operating Temperature	-25°C~55°C	-13~+131°F
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)	1020x1964x770mm	40x77x30 inch
Net Weight	900kg	1984 lbs

Certificates:



Circuit Diagram:

