

## Technical Specifications:

	SG 100KU	
<b>DC SIDE DATA</b>		
Max. DC Voltage	600Vdc	
MPP Voltage Range	300~600Vdc	
Max. DC Power	105kWp	
Max. Input Current	340A	
Recommend PV Array Open Circuit Voltage	450V	
<b>AC SIDE DATA</b>		
Rated Output Power	100kW	
Rated Grid Voltage	480Vac	
Grid Voltage Range	422~528Vac	
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 )	
<b>SYSTEM</b>		
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	
<b>DISPLAY AND COMMUNICATIONS</b>		
Display	LCD	
Standard Comm. Interfaces	RS485	
Optional Comm. Interfaces	Ethernet/GPRS	
<b>MECHANICAL DATA</b>		
Dimensions ( WxHxD )	1020x1964x770mm	40x77x30 inch
Net Weight	900kg	1984 lbs

## Certificates:



## Circuit Diagram:

