

KSG-1K-SM / KSG-1.5K-SM / KSG-1.9K-SM / KSG-2K-SM
String Grid-Tied PV Inverter



Max. PV voltage up to 500V
Single MPPT



DC/AC surge protection
IP65 protection



High efficiency up to 97.6%
Smaller and lighter



Easy installation
WiFi / GPRS Plug optional

Technical Specifications

MODEL	KSG-1K-SM	KSG-1.5K-SM	KSG-1.9K-SM	KSG-2K-SM
Input				
Max. DC voltage / Rated DC voltage	500Vdc / 380Vdc			
MPPT voltage range	80~450Vdc			
Full load MPPT voltage range	105~400Vdc	145~400Vdc	180~400Vdc	190~400Vdc
Min. / start DC voltage	90 / 100Vdc		120 / 150Vdc	
Number of MPPT	1			
Strings per MPPT	1			
Max. input current per MPPT	11A			
Output (AC)				
Normal AC output power	1000W	1500W	1900W	2000W
Rated AC voltage	230Vac			
AC voltage range	230Vac±20%			
Rated AC grid frequency	50 / 60Hz			
AC grid frequency range	50 / 60Hz(±5Hz)			
Max. output current	4.5A	7A	8.5A	9A
Power factor (cosΦ)	0.8 leading ~0.8 lagging			
THDi	<3%			
AC connection	LN+PE			
Topology	Transformer-less			
Efficiency				
Max. efficiency	97%			
Euro efficiency	96%			
MPPT efficiency	99.90%			
Standby consumption	<5W/<1W			
Protection devices				
All-pole fault current monitoring unit	Yes			
AC short-circuit protection	Yes			
Ground fault protection	Yes			
Physical				
Dimensions W x D x H (mm)	265 / 325 / 126			
Weight(kg)	7.6			8.1
Environment				
Operating temperature range	-25°C~+60°C			
Noise emission (typical)	≤ 25dB			
Cooling type	Natural cooling			
Protection rating	IP65			
Features				
LCD display	Yes			
Interfaces	RS485/WiFi / GPRS			

Specifications subject to change without prior notice.