

» KSG-1K-SM / KSG-1.5K-SM / KSG-2K-SM / KSG-3K-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-2K-SM		KSG-3K-SM	
Input								
Max. DC voltage / Rated DC voltage	500Vdc / 380Vdc							
MPPT voltage range	90~490Vdc				100~490Vdc			
Full load MPPT voltage range	105~400Vdc		145~400Vdc		190~400Vdc		240~400Vdc	
Min. / start DC voltage	90 / 100Vdc				120 / 150Vdc			
Number of MPPT	1							
Strings per MPPT	1							
Max. input current per MPPT	11A						13A	
Output (AC)								
Max. AC output power	1000W		1500W		2000W		3000W	
Rated AC volatge	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		9A		14A	
Power factor (cosΦ)	0.9 leading ~0.9 lagging							
THDi	<3%							
AC connection	LN+PE							
Topology	Transformer-less							
Efficiency								
Max. efficiency	96.5%				97.6%			
Euro efficiency	96%				97%			
MPPT efficiency	99.90%							
Standby consumption	<5W							
Protection devices								
AC leakage current fault protection	Yes							
Ground fault protection	Yes							
Anti-islanding protection	Yes							
DC overvoltage protection	Yes							
DC surge protection	Yes							
AC surge protection	Yes							
DC reverse-polarity protection	Yes							
Physical								
Dimensions W x D x H (mm)	264 / 326 / 127							
Weight(kg)	7.6		8.1				8.6	
Environment								
Operating temperature range	-25℃~+60℃							
Noise emission (typical)	<25dB							
Cooling type	Natural cooling							
Protection rating	IP65							
Features								
LCD display	Yes							
Interfaces	RS485							
Optional	DC Switch / WiFi Plug / GPRS Plug							

Specifications subject to change without prior notice.