

## KSG-1K-SM / KSG-1.5K-SM / KSG-2K-SM / KSG-3K-SM

String Grid-Tied PV Inverter



Max. V 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
<b>Input</b>				
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
<b>Output (AC)</b>				
Max. AC output power	1000W	1500W	2000W	3000W
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	9A	14A
Power factor (cosΦ)		0.9 leading ~ 0.9 lagging		
THDi		<3%		
AC connection		LN+PE		
Topology		Transformer-less		
<b>Efficiency</b>				
Max. efficiency	96.5%			97.6%
Euro efficiency	96%			97%
MPPT efficiency		99.90%		
Standby consumption		<5W		
<b>Protection devices</b>				
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		
<b>Physical</b>				
Dimensions WxDxH (mm)		264/326/127		
Weight (kg)	7.6	8.1		8.6
<b>Environment</b>				
Operating temperature range		-25°C~+60°C		
Noise emission (typical)		<25dB		
Cooling type		Natural cooling		
Protection rating		IP65		
<b>Features</b>				
LCD display		Yes		
Interfaces		RS485		
Optional		DC Switch / WiFi Plug / GPRS Plug		

Specifications subject to change without prior notice.