

## KSG-30K / KSG-50K / KSG-60K

String Grid-Tied PV Inverter



Max. PV voltage up to 1000V  
Three MPPT



DC/AC Type II SPD optional  
Positive DC fuse optional



High efficiency up to 98.6%  
String monitoring optional



Reactive power controller  
LVRT/HVRT/FRT function

## Technical Specifications

### Input

MODEL	KSG-30K	KSG-50K	KSG-60K
Max. DC voltage		1000Vdc	
MPPT voltage range		250-950Vdc	
Full load MPPT voltage range	400-800Vdc	480-800Vdc	500-800Vdc
Rated DC voltage		620Vdc	
Min. /start DC voltage		200/250Vdc	
Number of MPPT		3	
Strings per MPPT	2		4
Max. input current per MPPT	26A/26A/26A	36A/36A/36A	40A/40A/40A
<b>Output (AC)</b>			
Rated AC output power	30kW	50kW	60kW
Max. AC output power	33kW	55kW	66kW
Rated AC voltage		400Vac	
AC voltage range		400Vac±20%	
Rated AC grid frequency		50 / 60Hz	
AC grid frequency range		50 / 60Hz(±5Hz)	
Rated output current	44A	72A	87A
Max. output current	48A	80A	95A
Power factor (cosΦ)		0.8leading-0.8lagging	
THDi		<3%	
AC connection		3W+N+PE/3W+PE	
Topology		Transformer-less	
<b>Efficiency</b>			
Max. efficiency	98.3%		98.6%
Euro efficiency	98.0%		98.2%
<b>Protection devices</b>			
AC leakage current fault protection		Yes	
LVRT		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)		636×958×260	
Weight(kg)	61	68	70
<b>Environment</b>			
Operating temperature range		-25°C~+60°C	
Noise emission (typical)	<40dB		<60dB
Cooling type	Natural cooling		Fans
Protection rating		IP65	
<b>Features</b>			
LCD display		Yes	
Interfaces			RS485 (WiFi Plug/GPRS Plug optional)

Specifications subject to change without prior notice.