

» 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

MODEL	KSG-30K		KSG-50K	KSG-60K
Input				
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	
Output (AC)				
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			
Efficiency				
Max. efficiency	98.3%	98.6%		
Euro efficiency	98.0%	98.2%		
Protection devices				
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			
Physical				
Dimensions W x D x H (mm)	636×958×260			
Weight(kg)	61	68	70	
Environment				
Operating temperature range	-25℃~-+60℃			
Noise emission (typical)	<40dB	<60dB		
Cooling type	Natural cooling	Fans		
Protection rating	IP65			
Features				
LCD display	Yes			
Interfaces	RS485 (WiFi Plug/GPRS Plug optional)			

Specifications subject to change without prior notice.



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