

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-50K	KSG-60K
Input		
Max. DC voltage	1000Vdc	
MPPT voltage range	250~950Vdc	
Full load MPPT voltage range	480~800Vdc	500~800Vdc
Rated DC voltage	620Vdc	
Min. / start DC voltage	200 / 250Vdc	
Number of MPPT	3	
Strings per MPPT	4	
Max. input current per MPPT	36A	40A
Output		
Rated AC output power	50kW	60kW
Max. AC output power	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	72A	87A
Max. output current	80A	95A
Power factor (cosΦ)	0.8leading-0.8lagging	
THDi	<3%	
AC connection	3W+N+PE/3W+PE	
Topology	Transformer-less	
Efficiency		
Max. efficiency	98.6%	
Euro efficiency	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 H x D (mm)	636×958×260	
Weight(kg)	68	70
Environment		
Operating temperature range	-25°C~+60°C	
Noise emission (typical)	<60dB	
Cooling type	Fans	
Protection rating	IP65	
Features		
LCD display	Yes	
Interfaces	RS485 (WiFi Plug/GPRS Plug optional)	



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