

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°C~+60°C		
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.