

KSG-36K-HV / KSG-50K-HV / KSG-60K-HV

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-36K-HV	KSG-50K-HV	KSG-60K-HV
Max. DC voltage		1000Vdc	
MPPT voltage range		250~950Vdc	
Full load MPPT voltage range		550~800Vdc	
Rated DC voltage		720Vdc	
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
Output (AC)			
Rated AC output power	36kW	50kW	60kW
Max. AC output power	40kW	55kW	66kW
Rated AC voltage		480Vac	
AC voltage range		480Vac±10%	
Rated AC grid frequency		50 / 60Hz	
AC grid frequency range		50 / 60Hz(±5Hz)	
Rated output current	44A	61A	72A
Max. output current	48A	67A	80A
Power factor (cosφ)		0.8leading-0.8lagging	
THDi		<3%	
AC connection		3W+PE	
Topology		Transformer-less	
Efficiency			
Max. efficiency	98.5%		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 WxDxH (mm)		636*958*260	
Weight (kg)	61		68
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)	