

KSG-10K / KSG-12K / KSG-15K / KSG-17K / KSG-20K

String Grid-Tied PV Inverter



Max. PV voltage up to 1000V
Dual MPPT



DC/AC surge protection
P65 protection



High efficiency up to 98%
Smaller and lighter



Reactive power controller
WiFi / GPRS Plug optional

Technical Specifications

	1		2		
Input					
Max. DC voltage	1000Vdc				
MPPT voltage range	250-950Vdc				
Full load voltage range	480-800Vdc				
Rated DC voltage	620Vdc				
Min. / start DC voltage	200 / 250Vdc				
Number of MPPT	2				
Strings per MPPT	1		2		
Max. input current per MPPT	13A/13A		21A/21A		
Output (AC)					
Rated AC output power	10kW	12kW	15kW	17kW	20kW
Max. AC output power	11kW	13kW	16kW	18kW	22kW
Rated AC voltage	400Vac				
AC voltage range	400Vac±20%				
Rated AC grid frequency	50 / 60Hz				
AC grid frequency range	50 / 60Hz(±5Hz)				
Max. output current	17A	20A	24A	27A	32A
Power factor (cosφ)	0.8leading-0.8lagging				
THDi	<3%				
AC connection	3W+N+PE/3W+PE				
Topology	Transformer-less				
Efficiency					
Max. efficiency	98%				
Euro efficiency	97.5%				
Protection devices					
AC leakage current fault protection	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)	553×715×228				
Weight(kg)	35		39		
Environment					
Operating temperature range	-25°C~+60°C				
Noise emission (typical)	<40dB				
Cooling type	Natural cooling				
Protection rating	IP65				
Features					
LCD display	Yes				
Interfaces	RS485 (WiFi Plug/GPRS Plug optional)				