

KSG-4.6K-DM / KSG-4.9K-DM / KSG-5K-DM / KSG-5.2K-DM
String Grid-Tied PV Inverter



Max. PV voltage up to 500V
Dual MPPT



DC/AC surge protection
IP65 protection



High efficiency up to 97.5%
Smaller and lighter



Reactive power controller
WiFi / GPRS Plug optional

Technical Specifications

MODEL	KSG-4.6K-DM	KSG-4.9K-DM	KSG-5K-DM	KSG-5.2K-DM
Input				
Max. DC voltage / Rated DC voltage	500Vdc / 380Vdc			
MPPT voltage range	80~450Vdc			
Min. / start DC voltage	120 / 150Vdc			
Number of MPPT	2			
Strings per MPPT	1			
DC Switch	Yes			
Rated input current	13A/13A			
Max. input current per MPPT	13A/13A			
Output (AC)				
Normal AC output power	4600W	4900W	5000W	5200W
Rated AC voltage	230Vac			
AC voltage range	230Vac±20%			
Rated AC grid frequency	50 / 60Hz			
AC grid frequency range	50 / 60Hz(±5Hz)			
Max. output current	20A	21.5A	22A	22.5A
Power factor (cosΦ)	0.8 leading ~ 0.8 lagging			
THDi	<3%			
AC connection	LN+PE			
Topology	Transformer-less			
Efficiency				
Max. efficiency	97.5%			
Euro efficiency	96.5%			
MPPT efficiency	99.9%			
Standby consumption	<5W/1W			
Protection devices				
All-pole fault current monitoring unit	Yes			
AC short-circuit protection	Yes			
Ground fault protection	Yes			
Physical				
Dimensions W x D x H (mm)	317/466/150			
Weight(kg)	15.5			
Environment				
Operating temperature range	-25°C~+60°C			
Noise emission (typical)	≤25dB			
Cooling type	Natural cooling			
Protection rating	IP65			
Features				
LCD display	Yes			
Interfaces	RS485/WIFI/GPRS			

Specifications subject to change without prior notice.