

» 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℃~+60℃							
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.