

KSG-3.2K-DM / KSG-3.6K-DM / KSG-3.9K-DM / KSG-4K-DM / KSG-4.2K-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-3.2K-DM	KSG-3.6K-DM	KSG-3.9K-DM	KSG-4K-DM	KSG-4.2K-DM
Input					
Max. DC voltage / Rated DC voltage	500Vdc / 380Vdc				
MPPT voltage range	80~450Vdc				
Full load MPPT voltage range	151~400Vdc	144~400Vdc	156~400Vdc	160~400Vdc	168~400Vdc
Min. / start DC voltage	120 / 150Vdc				
Number of MPPT	2				
Strings per MPPT	1				
Max. DC power per MPPT	1800W	2200W	2500W	3000W	
Max. input current per MPPT	11A/11A	13A/13A			
Output (AC)					
Normal AC output power	3200W	3600W	3900W	4000W	4200W
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	14A	15.6A	17A	17.5A	18A
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	99.90%				
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)	14.5	14.7	14.9		
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.