

KSG-DM Series Technical Specifications

Model	KSG-3K-DM	KSG-3.6K-DM	KSG-4.2K-DM	KSG-5.0K-DM
Input(DC)				
Max. DC power	3300W	4000W	4600W	5500W
Max. DC voltage	600Vdc			
MPPT voltage range	150~500Vdc			
Normal DC voltage	360Vdc			
Min. / start DC voltage	120 / 150Vdc			
Number of MPP trackers	2			
Strings per MPP tracker	1			
Max. DC power per MPP tracker	1800W	2200W	2500W	3000W
Max. input current per MPP tracker	11A / 11A		13A / 13A	15A / 15A
Output (AC)				
Normal AC output Power	3000W	3600W	4200W	5000W
Max. AC output Power	3100W	3700W	4300W	5100W
Normal AC voltage	230Vac			
AC voltage range	230Vac±20%			
Normal AC grid frequency	50 / 60Hz			
AC grid frequency range	±5Hz			
Rated. output current	13.7A	16.4A	19.1A	22.7A
Max. output current	15A	18A	21A	24A
Phase shift (cos φ)	Lagging0.9 – leading 0.9			
THDI	<3%			
AC connection	LN+PE			
Topology	Transformerless			
Efficiency				
Max. efficiency	97.50%			
Euro-eta	96.50%			
MPPT efficiency	99.90%			
Consumption: standby / night	<5W / <0W			
Protection devices				
PV input insulation protection	Yes			
AC short-circuit protection	Yes			
Ground fault monitoring	Yes			
Mechanism Data				
Dimensions (W / L / D) in mm	396 / 520 / 180			
Weight	18Kg		21Kg	
Environment Data				
Operating temperature range	-20°C~+60°C			
Noise emission (typical)	≤ 25dB			
Cooling concept	Convection			
Protection rating	IP65			
Features				
LCD display	yes			
Interfaces	RS485 / WIFI			

Specifications subject to change without prior notice.