

KSG-DM Series Technical Specifications

Model Specifications	KSG-10K-DM	KSG-12K-DM	KSG-15K-DM	KSG-17K-DM	KSG-20K-DM
Input(DC)					
Max. DC power	11.5KW	13.5KW	16.5KW	18.5KW	22.5KW
Max. DC voltage	1000Vdc				
MPPT voltage range	250~950Vdc				
Full load voltage range	480~800Vdc				
Normal DC voltage	620Vdc				
Min. / start DC voltage	200 / 250Vdc				
Number of MPP trackers	2				
Strings per MPP tracker	1		2		
Max. input current per MPP tracker	13A / 13A		21A / 21A		
Output (AC)					
Normal AC output Power	10KW	12KW	15KW	17KW	20KW
Max. AC output Power	11KW	13KW	16KW	18KW	22KW
Normal AC voltage	400Vac				
AC voltage range	400Vac \pm 20%				
Normal AC grid frequency	50 / 60Hz				
AC grid frequency range	\pm 5Hz				
Max. output current	17A	20A	24A	27A	32A
Phase shift (cos ϕ)	0.8leading- 0.8laging				
THDI	<3%				
AC connection	3W+N+PE/3W+PE				
Topology	Transformer less				
Efficiency					
Max. efficiency	98.0%				
Euro-eta	97.5%		97.7%		
Protection devices					
all-pole fault current monitoring unit	yes				
Ground fault monitoring	yes				
Mechanism Data					
Dimensions (W / L / D) in mm	550 / 700 / 250				
Weight	35Kg		39Kg		
Environment Data					
Operating temperature range	-25 °C ... +60 °C				
Noise emission (typical)	\leq 40dB				
Cooling concept	Convection				
Protection rating	IP65				
Features					
LCD display	yes				
Interfaces	RS485				

Specifications subject to change without prior notice.