

# KSG-TM Series Technical Specifications

Model Specifications	KSG-30K	KSG-50K	KSG-60K
<b>Input(DC)</b>			
Max. DC power	33KW	55KW	66KW
Max. DC voltage	1000Vdc		
MPPT voltage range	250~950Vdc		
Full load mppt voltage range	400~800Vdc	480~800Vdc	500~800Vdc
Normal DC voltage	620Vdc		
Min. / start DC voltage	200 / 250Vdc		
Number of MPP trackers	3		
Strings per MPP tracker	2	4	
Max. input current per MPP tracker	26A / 26A / 26A	36A / 36A / 36A	40A / 40A / 40A
<b>Output (AC)</b>			
Normal AC output Power	30KW	50KW	60KW
Max. AC output Power	32KW	52KW	62KW
Normal AC voltage	400Vac		
AC voltage range	400Vac±20%		
Normal AC grid frequency	50 / 60Hz		
AC grid frequency range	±5Hz		
Rated. output current	44A	72A	87A
Max. output current	48A	75A	90A
Phase shift (cos φ)	0.8leading- 0.8laging		
THDI	<3%		
AC connection	3W+N+PE/3W+PE		
Topology	Transformer less		
<b>Efficiency</b>			
Max. efficiency	98.3%	98.6%	
Euro-eta	98.0%	98.2%	
<b>Protection devices</b>			
all-pole fault current monitoring unit	yes		
Ground fault monitoring	yes		
<b>Mechanism Data</b>			
Dimensions (W / L / D) in mm	636 / 958 / 260		
Weight	61Kg	68Kg	69Kg
<b>Environment Data</b>			
Operating temperature range	-25°C ... +60°C		
Noise emission (typical)	≤40dB	≤60dB	
Cooling concept	Convection	fans	
Protection rating	IP65		
<b>Features</b>			
LCD display	yes		
Interfaces	RS485		

Specifications subject to change without prior notice.