

KSG-DM SERIES

- KSG-10KW
- KSG-12KW
- KSG-15KW
- KSG-17KW
- KSG-20KW



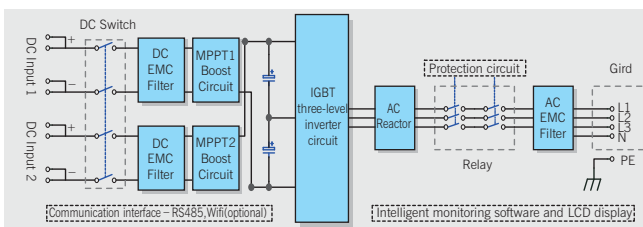
Design

- Max PV Voltage up to 1000V
- Double MPPT
- High efficiency up to 98.0%
- Smaller and Lighter
- IP65 protection
- Easy installation
- Reactive power controller
- Digital controller

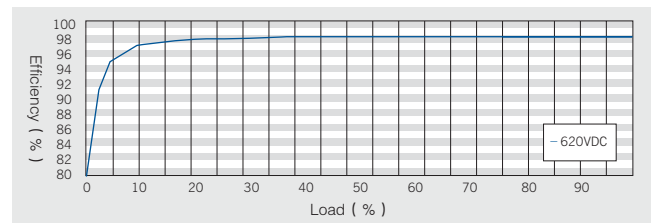
Certification

- TUV
- CE
- VDE 0126
- PE/MEA
- IEC 62109
- IEC 61000
- IEC 61727
- IEC 61683
- IEC 62116

Circuit diagram



Efficiency curve



Powering Green Future

- www.kstarpower.com

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KSG-DM Series Technical Specifications

Model Specifications	KSG-10K	KSG-12K	KSG-15K	KSG-17K	KSG-20K
Input(DC)					
Max. DC power	13KW	15.6KW	19.5KW	22.1KW	26KW
Max. DC voltage	1000Vdc				
MPPT voltage range	250~950Vdc				
Full load voltage range	480~800Vdc				
Nominal DC voltage	620Vdc				
Min. / start DC voltage	200 / 250Vdc				
Number of MPPT trackers	2				
Strings per MPPT tracker	1		2		
Max. input current per MPPT tracker	13A / 13A		21A / 21A		
Output (AC)					
Nominal AC output Power	10KW	12KW	15KW	17KW	20KW
Max. AC output Power	11KW	13KW	16KW	18KW	22KW
Nominal AC voltage	400Vac				
AC voltage range	400Vac ±20%				
Nominal AC grid frequency	50 / 60Hz				
AC grid frequency range	50 / 60Hz(±5Hz)				
Max. output current	17A	20A	24A	27A	32A
Power factor (cosΦ)	0.8leading-0.8lagging				
THDI	<3%				
AC connection	3W+N+PE/3W+PE				
Topology	Transformer-less				
Efficiency					
Max. efficiency	98.0%				
Euro efficiency	97.5%		97.5%		
Protection devices					
AC leakage current fault protection	Yes				
Ground fault protection	Yes				
Anti-islanding protection	Yes				
DC overvoltage protection	Yes				
DC surge protection	Yes				
AC surge protection	Yes				
DC reverse-polarity protection	Yes				
Physical					
Dimensions (W×L×D) in mm	553×715×228				
Weight	35Kg		39Kg		
Environment					
Operating temperature range	-25°C~+60°C				
Noise emission (typical)	≤40dB				
Cooling type	Nature cooling				
Protection rating	IP65				
Features					
LCD display	Yes				
Interfaces	RS485 (WiFi Plug/GPRS Plug optional)				

Specifications subject to change without prior notice.

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HEADQUARTERS

Add: 4/F, No.1 Bldg. Software Park, Keji C. Rd. 2nd, Hi-Tech Industrial Zone, Shenzhen 518057, P.R.China

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