



## KSG-DM SERIES

KSG-3.2K-DM

KSG-3.6K-DM

KSG-4K-DM

KSG-4.6K-DM

KSG-5K-DM



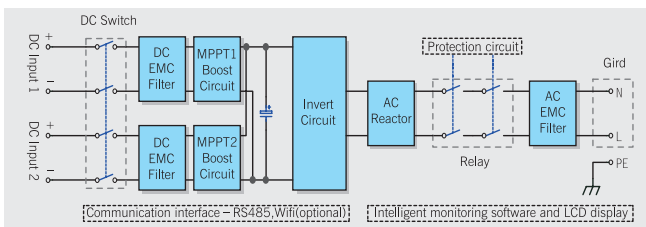
### Design

- Max PV Voltage up to 500V
- Double MPPT
- High efficiency up to 97.5%
- Smaller and Lighter
- IP65 protection
- Easy installation
- Reactive power controller
- Digital controller

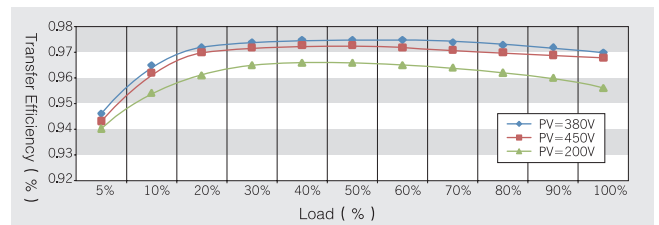
### Certification

- TUV
- CE
- VDE 0126
- EN 50438
- VDE4105
- IEC 62109
- IEC 61000
- IEC 61727
- IEC 61683
- IEC 62116

### Circuit diagram



### Efficiency curve



## Technical Specifications

MODEL	KSG-3.2K-DM	KSG-3.6K-DM	KSG-4K-DM	KSG-4.6K-DM	KSG-5K-DM
<b>Input</b>					
Max. DC voltage / Nominal DC voltage	500Vdc / 380Vdc				
MPPT voltage range	100~490Vdc				
Min. / start DC voltage	120 / 150Vdc				
Full load MPPT voltage range	150~400Vdc	145~400Vdc	165~400Vdc	200~400Vdc	
Number of MPPT trackers	2				
Strings per MPPT tracker	1				
Max. DC power per MPPT tracker	1800W	2200W	2500W	3000W	
Max. input current per MPPT tracker	11A / 11A	13A / 13A			
<b>output (AC)</b>					
Max. AC output Power	3000W	3680W	4000W	4600W	5000W
Nominal AC voltage	230Vac				
AC voltage range	230Vac±20%				
Nominal AC grid frequency	50 / 60Hz				
AC grid frequency range	50 / 60Hz(±5Hz)				
Max. output current	14A	16A	17.5A	20A	22A
Power factor (cosΦ)	Lagging0.9~leading 0.9				
THDI	<3%				
AC connection	LN+PE				
Topology	Transformer-less				
<b>Efficiency</b>					
Max. efficiency	97.5%				
Euro efficiency	97%				
MPPT efficiency	99.90%				
Consumption: standby / night	<5W / <0.2W				
<b>Protection devices</b>					
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				
<b>Physical</b>					
Dimensions (W / L / D) in mm	329×466×149				
Weight	14.5Kg	14.9Kg	15.5Kg		
<b>Environment</b>					
Operating temperature range	-25°C~+60°C				
Noise emission (typical)	≤ 25dB				
Cooling type	Natural cooling				
Protection rating	IP65				
<b>Features</b>					
DRED	Yes				
Power limit	Yes				
LCD display	Yes				
Interfaces	RS485				
Optional	DC Switch / WiFi Plug / GPRS Plug				

Specifications subject to change without prior notice.