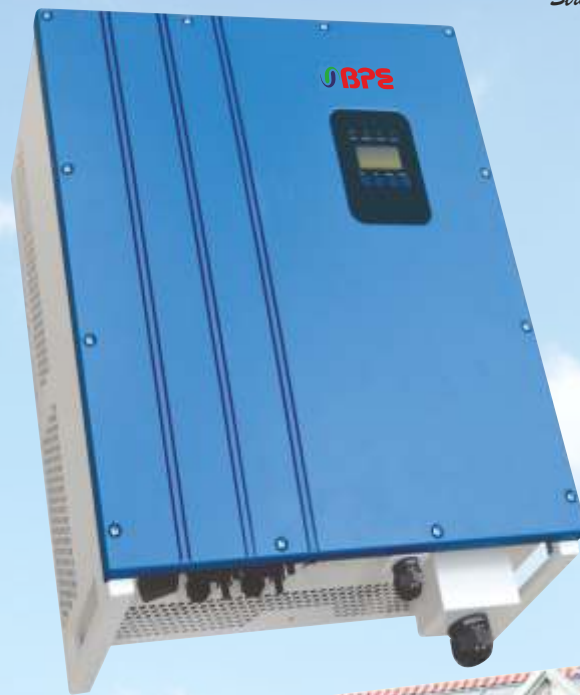


KSG Series

Grid Tied Solar Inverter

10KW / 15KW / 20KW /
30KW / 50KW / 60KW



VDE 4105 / VDE 0126

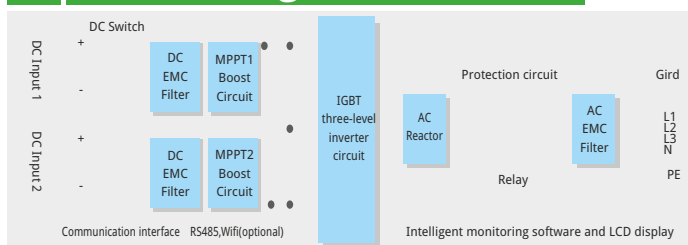
Design :

- Max PV Voltage upto 1000V
- 2 MPPT 10~20KW, 3MPPT30~60KW
- High efficiency upto 98.0%~98.6%
- Smaller and Lighter
- DC Fuse optional
- String monitoring optional
- Ip65 protection
- Easy installation
- Reactive power controller
- Digital controller
- DC/AC Surge protection
- Type SPD optional

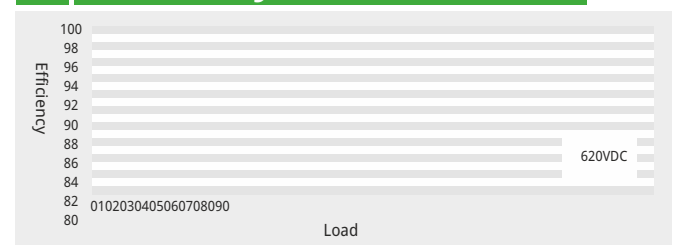
Certification :

- TUV
- CE
- VDE0126
- VDE4105
- PEA/MEA
- IEC62109
- IEC61000
- IEC61727
- IEC61683
- IEC62116

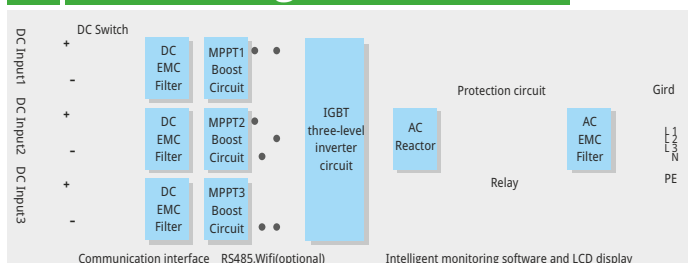
▶ Circuit diagram 20~30KW



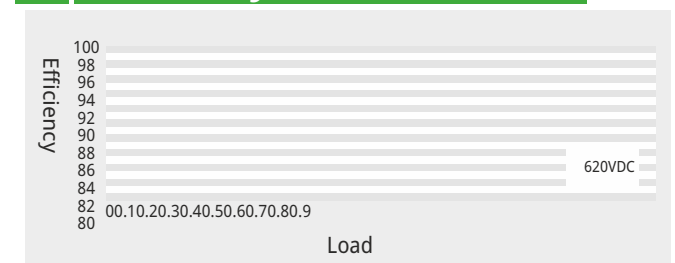
▶ Efficiency curve 30~60KW



▶ Circuit diagram 30~60KW



▶ Efficiency curve 30~60KW



▶ Technical Specifications of KSG-DM Series 10~60KW

MODEL	KSG-10K	KSG-15K	KSG-20K	KSG-30K	KSG-50K	KSG-60K
INPUT (DC)						
Max. DC Power	11.5KW	16.5KW	22.5KW	39KW	65KW	78KW
Max. DC Voltage	1000V DC					
MPPT Voltage Range	250~950V DC					
Full Load Voltage Range	480~800V DC			480~800V DC	480~800V DC	500~800V DC
Nominal DC Voltage	620V DC					
Min. / Start DC Voltage	200 / 250V DC					
Number of MPPT Tracker	2			3		
Strings per MPPT Tracker	1	2			4	
Max. Input Current per MPPT Tracker	13 A / 13 A	21 A / 21 A		26 A / 26 A / 26 A	36 A / 36 A 36 A	40 A / 40 A / 40 A
OUTPUT (AC)						
Nominal AC Output Power	10KW	15KW	20KW	30KW	50KW	60KW
Max. AC Output Power	11KW	16KW	22KW	33KW	55KW	66KW
Nominal AC Voltage	400V AC					
AC Voltage Range	400V AC ±20%					
Nominal AC Grid Frequency	50 / 60Hz					
AC Grid Frequency Range	50 / 60Hz (±5Hz)					
Max. Output Current	17 A	24 A	32 A	48 A	80 A	95 A
Power Factor (cos φ)	0.8 Leading ~ 0.8 Lagging					
THDI	<3%					
AC Connection	3W+N+PE / 3W+PE					
Topology	Transformer-Less					
EFFICIENCY						
Max. Efficiency	98%		98.3%		98.6%	
Euro Efficiency	97.5%		98%		98.2%	
Protection Devices						
AC Leakage Current Fault Protection	Yes					
Ground Fault Protection	Yes					
Anti-Islanding Protection	Yes					
DC Over-Voltage Protection	Yes					
DC Surge Protection	Yes					
AC Surge Protection	Yes					
DC Reverse-Polarity Protection	Yes					
PHYSICAL						
Dimension (WxLxD) in mm	553x715x228			636x958x260		
Weight in Kg	35	39	61	68	70	
ENVIRONMENT						
Operating Temperature Range	-25°C ~ +60°C					
Noise Emission (Typical)	≤ 40 dB				≤ 60 dB	
Cooling Type	Natural Cooling				Fans	
Protection Rating	IP 65					
FEATURES						
LCD Display	Yes					
Interfaces	RS-485, Ext Wifi (Optional)					

*Specifications are subject to change without prior notice.

