



KSG-HV SERIES

- KSG-36K-HV
- KSG-50K-HV
- KSG-60K-HV



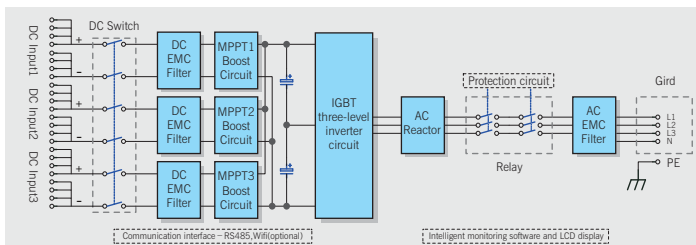
Design

- Max PV Voltage up to 1000V
- Three MPPT
- High efficiency up to 98.6%
- IP65 protection
- DC Fuse optional
- String monitoring optional
- Easy installation
- Reactive power controller
- Digital controller
- DC/AC Surge protection
- Type II SPD optional

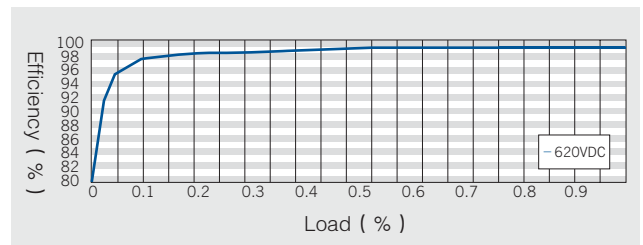
Certification

- TUV
- CE
- VDE 0126
- VDE 4105
- PEAM/MEA
- IEC 62109
- IEC 61000
- IEC 61727
- IEC 61683
- IEC 62116

Circuit diagram



Efficiency curve



KSG-HV Series Technical Specifications

Model Specifications	KSG-36K-HV	KSG-50K-HV	KSG-60K-HV
Input(DC)			
Max. DC power	46.8KW	65KW	78KW
Max. DC voltage	1000Vdc		
MPPT voltage range	250~950Vdc		
Full load MPPT voltage range	550~800Vdc		
Nominal DC voltage	720Vdc		
Min. / start DC voltage	200 / 250Vdc		
Number of MPPT trackers	3		
Strings per MPPT tracker	2	4	
Max. input current per MPPT tracker	26A / 26A / 26A	36A / 36A / 36A	
Output (AC)			
Nominal AC output Power	36KW	50KW	60KW
Max. AC output Power	40KW	55KW	66KW
Nominal AC voltage	480Vac		
AC voltage range	480Vac±10%		
Nominal AC grid frequency	50 / 60Hz		
AC grid frequency range	50 / 60Hz(±5Hz)		
Rated. output current	44A	61A	72A
Max. output current	48A	67A	80A
Power factor (cosΦ)	0.8leading-0.8lagging		
THDI	<3%		
AC connection	3W+PE		
Topology	Transformer-less		
Efficiency			
Max. efficiency	98.5%	98.6%	
Euro efficiency	98.2%		
MPPT efficiency	99.9%		
Consumption: standby / night	<15W / <0.2W		
Protection devices			
AC leakage current fault protection	Yes		
LVRT	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	636×958×260		
Weight	61Kg	68Kg	
Environment			
Operating temperature range	-25°C~+60°C		
Noise emission (typical)	≤40dB	≤60dB	
Cooling type	Nature cooling	fans	
Protection rating	IP65		
Features			
LCD display	Yes		
Interfaces	RS485 (WiFi Plug/GPRS Plug optional)		

Specifications subject to change without prior notice.

KSTAR

— Stock code: 002518 —

HEADQUARTERS

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