



# KSG-TM SERIES

KSG-30K

KSG-50K

KSG-60K



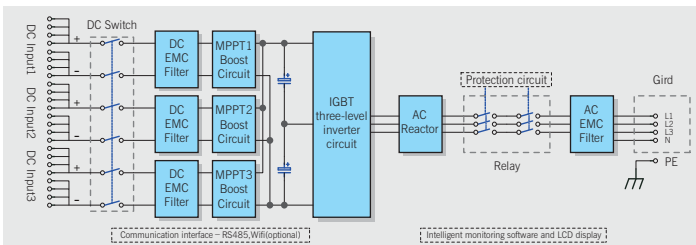
## Design

- 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

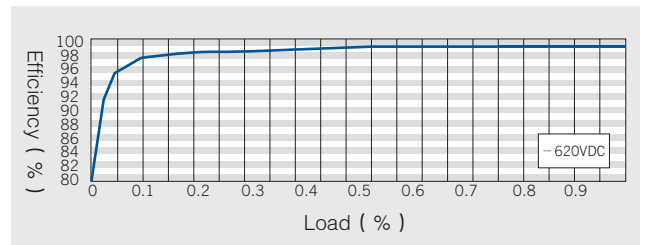
## Certification

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

## Circuit diagram



## Efficiency curve



**Powering Green Future**

- [www.kstarpower.com](http://www.kstarpower.com)

**KSTAR**

— Stock code: 002518 —

## KSG-TM Series Technical Specifications

Model Specifications	KSG-30K	KSG-50K	KSG-60K
<b>Input(DC)</b>			
Max. DC power	39KW	65KW	78KW
Max. DC voltage	1000Vdc		
MPPT voltage range	250~950Vdc		
Full load MPPT voltage range	400~800Vdc	480~800Vdc	500~800Vdc
Nominal DC voltage	620Vdc		
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	40A / 40A / 40A
<b>Output (AC)</b>			
Nominal AC output Power	30KW	50KW	60KW
Max. AC output Power	33KW	55KW	66KW
Nominal AC voltage	400Vac		
AC voltage range	400Vac±20%		
Nominal AC grid frequency	50 / 60Hz		
AC grid frequency range	50 / 60Hz(±5Hz)		
Rated. output current	44A	72A	87A
Max. output current	48A	80A	95A
Power factor (cosΦ)	0.8leading-0.8lagging		
THDI	<3%		
AC connection	3W+N+PE/3W+PE		
Topology	Transformer-less		
<b>Efficiency</b>			
Max. efficiency	98.3%	98.6%	
Euro efficiency	98.0%	98.2%	
<b>Protection devices</b>			
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		
<b>Physical</b>			
Dimensions (W×L×D) in mm	636×958×260		
Weight	61Kg	68Kg	70Kg
<b>Environment</b>			
Operating temperature range	-25°C~+60°C		
Noise emission (typical)	≤40dB	≤60dB	
Cooling type	Nature cooling	fans	
Protection rating	IP65		
<b>Features</b>			
LCD display	Yes		
Interfaces	RS485 (WiFi Plug/GPRS Plug optional)		

Specifications subject to change without prior notice.

# KSTAR

— Stock code: 002518 —

### HEADQUARTERS

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

Kstar reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on kstar products previously or subsequently sold. Kstar does not guarantee the items of the accuracy and completeness.

Version number: KSD/S 2017-07