





KSG SERIES THREE PHASE


KSG-30KT-M1 / KSG-40KT-M1

PV On-Grid String Inverter

 Max. PV Voltage up to 1100V
Type II DC SPD / 3 MPPT

 Compatible for Big Capacity PV Panel
WiFi / 4G Plug Optional

 DC/AC Ratio up to 1.5
IP66 Protection

 High Efficiency up to 98.7%
Smaller and Lighter

MODEL	KSG-30KT-M1	KSG-40KT-M1
Input(DC)		
Max. DC Voltage	1100V	1100V
Nominal Voltage	620V	620V
Start Voltage ¹	250V	250V
MPPT Voltage Range	200 V~1,000V	200 V~1,000V
Number of MPPT	3	3
Strings Per MPPT	2	2
Max. Input Current Per MPPT	30A	30A
Max. Short-circuit Current Per MPPT	40A	40A
Output(AC)		
Nominal AC Output Power	30000W	40000W
Maximum AC Output Power	33000VA	44000VA
Nominal AC Voltage	400V 3L+N	
AC Grid Frequency Range	50 / 60Hz(±5Hz)	
Max. Output Current	47.8A	63.8A
Power Factor(Φ)	0.8leading-0.8lagging	
THDi	3%	
Efficiency		
Max. Efficiency	98.7%	98.7%
Euro Efficiency	98.4%	98.4%
Protection Devices		
DC Switch	Yes	
Output Over Current Protection	Yes	
Anti-islanding Protection	Yes	
DC Reverse Polarity Protection	Yes	
String Fault Detection	Yes	
DC/AC Surge Protection	Type II / Type III(Type II Optional)	
Residual Current Monitoring	Yes	
AC Short Circuit Protection	Yes	
General Specifications		
Dimensions W x H x D	380x483x223mm	380x483x227mm
Weight	25.5kg	32.5kg
Operating Temperature Range	-25°C ~ +60°C	
Cooling Type	Fan cooling	
Max. Operating Altitude	4000m	
Max. Operating Humidity	0-100%(No condensation)	
AC Output Terminal Type	OT terminal	
IP Class	IP66	
Topology	Transformer-less	
Communication	RS485/Wifi/4G	
Display	LCD	
Certification & Standard	EN/IEC62109-1;EN/IEC62109-2;IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727;EN50549-1;IEC/EN 61000-6-1;IEC/EN 61000-6-3NC RfG;NRS 097;VDE-AR-N-4105;VDE0126;CEI0-21;C10/C11;G98/G99	

* Specifications subject to change without prior notice.
1. Minimum voltage for inverter to start power output.