

KSG SERIES THREE PHASE

G50KT / G60KT / G70KT / G80KT



PV On-Grid String Inverter



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



Reactive Power Control
WiFi / 4G Plug Optional



DC/AC Ratio up to 1.5
IP66 Protection



High Efficiency up to 98.6%
Smaller and Lighter

MODEL	G50KT	G60KT	G70KT	G80KT
Input(DC)				
Max. DC Voltage	1100V	1100V	1100V	1100V
Nominal Voltage	650V	650V	650V	650V
Start Voltage	180V	180V	180V	180V
MPPT Voltage Range	200 V~1,000V	200 V~1,000V	200 V~1,000V	200 V~1,000V
Number of MPPT	4	4	4	4
Strings Per MPPT	2	2	3	3
Max. Input Current Per MPPT	32A	32A	45A	45A
Max. Short-circuit Current Per MPPT	48A	48A	60A	60A
Output(AC)				
Nominal AC Output Power	50000W	60000W	70000W	80000W
Max. AC Output Power	55000VA	66000VA	77000VA	88000VA
Nominal AC Voltage	400V 3L+N+PE			
AC Grid Frequency Range	50Hz / 60Hz(±5Hz)			
Maximum Output Current	79.7A	95.6A	111.6A	127.5A
Power Factor(Φ)	0.8leading-0.8lagging			
THDi	3%			
Efficiency				
Max. Efficiency	98.5%	98.5%	98.6%	98.6%
Euro Efficiency	98.2%	98.2%	98.3%	98.3%
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			
Residual Current Monitoring	Yes			
AC Short Circuit Protection	Yes			
General Specifications				
Dimensions W x H x D	515x585x287mm			
Weight	51kg		55kg	
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/EN 61000-6-1;IEC/EN 61000-6-3;IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683; IEC60068;IEC60529;IEC62116;IEC61727;EN50549-1;NC RfG;NRS 097;VDE-AR-N-4105;VDE0126;CEI0-21;C10/C11			

* Specifications subject to change without prior notice.

KSTAR

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