Generating Superior Solutions for Energy and More.

KSTAR
Powering the Future

G Series

Three Phase / On-grid / 50–80 kW

- Max. PV Voltage up to 1100 V
- Type II DC / AC SPD
- Reactive Power Control
- WiFi Logger Standard / 4G Logger Optional
- DC / AC Ratio up to 1.5
- IP66 Protection
- High Efficiency up to 98.6%
- Smaller and Lighter



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MODEL	G50KT	G60KT	G80KT
Input (DC)			
Max. DC Voltage		1100 V	
Nominal Voltage		650 V	
Start Voltage		250 V	
MPPT Voltage Range		200 ~ 1000 V	
Number of MPPT		4	
Strings per MPPT	2	2	3
Max. input Current per MPPT	32 A	32 A	45 A
Max. Short-circuit Current per MPPT	48 A	48 A	60 A
Output (AC)			
Nominal AC Output Power	50000 W	60000 W	80000 W
Max. AC Apparent Power	55000 VA	66000 VA	88000 VA
Nominal AC Voltage		230 / 400 V, 3P+N+PE	
AC Grid Frequency Range		50 Hz / 60 Hz (±5 Hz)	
Max. Output Current (@220V)	83.3 A	100 A	127.5 A
Power Factor (cosΦ)		0.8 inductive(under-excited) to 0.8 capacitive(over-excited)	
THDi		< 3% (Nominal Power)	
Efficiency			
Max. Efficiency	98.5%	98.5%	98.6%
Euro Efficiency	98.2%	98.2%	98.3%
Protection Devices			
DC Switch		Yes	
Output Over Current		Yes	
Anti-islanding Protection		Yes	
DC Reverse Polarity Protection		Yes	
String Fault Detection		Optional	
PID Recovery		Optional	
Night SVG		Optional	
DC / AC Surge Protection		Type II	
Residual Current Monitoring		Yes	
AC Short Circuit Protection		Yes	
General Specifications			
Dimensions (W x H x D)		548 x 540 x 289 mm	
Weight	48.7 kg	48.7 kg	52.2 kg
Operating Temperature Range		–25℃ ~ +60℃	
Cooling Type		Fan cooling	
Max. Operating Altitude		4000 m	
Max. Operating Humidity		0 ~ 100% (No condensation)	
AC Output Terminal Type		OT Terminal	
IP Class		IP66	
Topology		Transformerless	
Communication		RS-485 / Wifi / Ethernet	
Display		LCD	
Certification & Standard	EN/IEC 62109-1; EN/IEC 62109-2; IEC/EN 61000-6-1; IEC/EN 61000-6-3; IEC/EN 61000-6-2; IEC/EN 61000-6-4; IEC 61683; IEC 60068; IEC 60529; IEC 62116; IEC 61727; EN 50549-1; NC RfG; VDE-AR-N-4105; VDE 0126; CEI 0-21; NTS V2.1; UNE 217001; UNE 217002		

* To be used with the SDM630MCT-V2 energy meter, users need to select and supply their own CT, with a specification of 1 A or 5 A.