

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 / Ethernet 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	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		3	
Max. input Current per MPPT	32 A		32 A		45 A		45 A	
Max. Short-circuit Current per MPPT	48 A		48 A		60 A		60 A	
Output (AC)								
Nominal AC Output Power	50000 W		60000 W		70000 W		80000 W	
Max. AC Apparent Power	55000 VA		66000 VA		77000 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		116.7 A		127.5 A	
Power Factor (cosΦ)	-0.8 (Lagging) ~ 0.8 (Leading)							
THDi	< 3% (Nominal Power)							
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	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		52.3 kg		53.2 kg	
Operating Temperature Range	-25°C ~ +60°C							
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.