

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 / 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	1100 V							
Nominal Voltage	650 V							
Start Voltage	250 V							
MPPT Voltage Range	200 V ~ 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	400 V 3L+N+PE							
AC Grid Frequency Range	50 Hz / 60 Hz (±5Hz)							
Max. Output Current	79.7 A		95.6 A		111.6 A		127.5 A	
Power Factor (cosΦ)	0.8 leading - 0.8 lagging							
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)	515 x 585 x 287 mm							
Weight	51 kg		51 kg		55 kg		55 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	Transformer - less							
Communication	RS-485 / Wifi / 4G							
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; NRS 097; VDE-AR-N-4105; VDE 0126; CEI 0-21; C10/11							