

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(WxDxH)		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			