

GPG SCA110KTL-DO/EU

GPG String Inverter

High Return of the Whole Life Cycle



Low Investment

Three-phase string series inverters products providing standard configuration DC switch, integrated DC combiner box, RS485/Wi-Fi/4G/PLC communication, which can match the requirements of different customers, support 10% rated overload which can efficiently decrease initial investment of system.

High Profits

Three-phase string inverters can provide 98.4% maximum efficiency, 98.0% Euro efficiency, 99.5% MPPT efficiency, advanced topology design and international known device options, which can guarantee the profits of the Whole Life Cycle.

Maintenance Warranty

String inverter can support remote monitoring, fault diagnosis and software upgrade, 7*24H after-sales service can guarantee the maintenance of the Whole Life Cycle.

Model Name	GPG SCA110KTL-DO/EU	GPG SCA110KTL-DO/EU2
DC Input		
Max. DC Voltage	1100Vdc	
MPPT Operating Voltage Range	200-1000Vdc	
Start Voltage	300Vdc/100W	
Rated DC Voltage	620V	
Number of MPPT	9	12
Number of DC Connection Sets per MPPT	2	1
Max. input current per MPPT	26A*9	26A*12
Max. DC short-circuit current per MPPT	40A	
String Fuse	N/A	
DC Disconnection Type	Integrated Switch	
AC Output		
Rated AC Power	100kW	
Max. AC Power	110kVA	
Rated AC Voltage	380V/400V	
AC Voltage Range ¹	322~528Vac	
Grid Connection Type	3Φ / N / PE	
Max. AC Current	160A	
Grid Frequency	50/60Hz	
Grid Frequency Range ¹	47-53/57-63Hz	
Power Factor (cosφ)	>0.99(±0.8 adjustable)	
Current THD	< 3%	
AC Disconnection Type	-	
System Data		
Topology	Transformerless	
Max. Efficiency	98.4%	
Euro Efficiency	98.0%	
Consumption at Standby/Night	< 30W / < 6W	
Protection		
DC reverse connection protection	Yes	
AC short circuit protection	Yes	
Leakage current protection	Yes	
Grid monitoring	Yes	
Ground fault monitoring	Yes	
Surge Protection	DC Type II / AC Type II	
AFCI	N/A	
Environment Data		
Ingress Protection	IP66	
Cooling Method	Cooling Fans	
Operating Temperature	-30°C to +60°C	
Ambient Humidity	0 - 100%, Non-condensing	
Altitude	4000m	
Display and Communication		
Display	LED + APP(Bluetooth)	
Communication	RS485/Wi-Fi (Standard) & 4G/PLC (Optional)	
Mechanical Data		
Dimensions (W*H*D)	1050 * 660* 340mm	
Weight	86kg	
DC Connection Type	MC4	
AC Connection Type	OT/DT Terminal	
Safety		
Certifications ²	IEC61000-6,IEC/EN 62109,IEC61727/62116/61683/60068,EN50549	

¹ "AC Voltage Range" and "Grid Frequency Range" may be differ according to specific grid codes.
² The certificates are for reference only.Please consult the local sales staff for detailed certification.