

GPG SCA5~25KTL-T1/EU

GPG String Inverter

High Return of the Whole Life Cycle



Low Investment

Three-phase string series inverters products providing standard configuration DC switch and RS485/Wi-Fi/4G communication, which can match the requirements of different customers, support 10% rated overload and no-screen design, 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, fanless 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 SCA5KTL-T1/EU	GPG SCA6KTL-T1/EU	GPG SCA8KTL-T1/EU	GPG SCA10KTL-T1/EU	GPG SCA15KTL-T1/EU	GPG SCA20KTL-T1/EU	GPG SCA25KTL-T1/EU
DC Input							
Max. DC Voltage	1100Vdc						
MPPT Operating Voltage Range	160 - 1000Vdc						
Start Voltage	180Vdc						
Rated DC Voltage	620Vdc						
Number of MPPT	2			2		2	
Number of DC Connection Sets per MPPT	1/1			2/1		2/2	
Max. input current per MPPT	15A/15A			30A/15A		30A/30A	
Max. DC short-circuit current per MPPT	20A/20A			40A/20A		40A/40A	
String Fuse	N/A						
DC Disconnection Type	Integrated Switch						
AC Output							
Rated AC Power	5KW	6KW	8KW	10kW	15kW	20kW	25kW
Max. AC Power	5.5KVA	6.6KVA	8.8KVA	11.2KVA	16.7kVA	22kVA	27.5kVA
Rated AC Voltage	380/400V/415V						
AC Voltage Range ¹	260 - 510V						
Grid Connection Type	3Φ / N / PE						
Max. AC Current	8.4A	10.1A	13.4A	17A	25.3A	33.7A	39.8A
Grid Frequency	50/60Hz						
Grid Frequency Range ¹	45-55/55-65Hz						
Power Factor (cosφ)	>0.99(±0.8 adjustable)						
Current THD	< 3%						
AC Disconnection Type	-						
System Data							
Topology	Transformerless						
Max. Efficiency	98.2%	98.2%	98.2%	98.3%	98.3%	98.4%	98.4%
Euro Efficiency	97.8%	97.8%	97.8%	97.8%	97.8%	98.0%	98.0%
Consumption at Standby/Night	<25W/<1W						
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	Option						
Environment Data							
Ingress Protection	IP66						
Cooling Method	Natural Convection						
Operating Temperature	-25°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 (Optional)						
Mechanical Data							
Dimensions (W*H*D)	398 * 460 * 190mm						
Weight	16.8kg			18.7kg		20.1kg	
DC Connection Type	MC4						
AC Connection Type	OT/DT Terminal						
Safety							
Certifications ²	EN 61000-6,EN/IEC 62109,IEC 61727,IEC 62116,IEC 60068,IEC 61683,EN 50549, CEI 0-21,UNE 217001/2,RD 1699,VDE 4105,TOR Erzeuger,RD 647,NC RfG						

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.