



GPG SCA4.6~6KTL-PSM1/EU

GPG Single-phase Inverter High Return of the Whole Life Cycle



Low Investment

Single-phase string series inverters products providing standard configuration DC switch and Wi-Fi/RS485/4G 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

Single-phase string inverters can provide 98.2% maximum efficiency, 97.4% 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 SCA4.6KTL-PSM1/EU	GPG SCA5KTL-PSM1/EU	GPG SCA6KTL-PSM1/EU
DC Input			
Max. DC Voltage	500Vdc		
MPPT Operating Voltage Range	70-540Vdc		
Start Voltage	90Vdc		
Rated DC Voltage	360Vdc		
Number of MPPT	2		
Number of DC Connection Sets per MPPT	1		
Max. input current per MPPT	15A/15A		
Max. DC short-circuit current per MPPT	20A		
String Fuse	N/A		
DC Disconnection Type	Integrated Switch		
AC Output			
Rated AC Power	4.6KW	5KW	6KW
Max. AC Power	5.06KVA	5.5KVA	6KVA
Rated AC Voltage	220V/230V/240V		
AC Voltage Range ¹	160 - 300V		
Grid Connection Type	L/N/PE		
Max. AC Current	23A	25A	27.3A
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%
Euro Efficiency	97.3%	97.4%	97.4%
Consumption at Standby/Night	< 6W/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 TypeII / AC Type II		
AFCI	Option		
Environment Data			
Ingress Protection	IP65		
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	WiFi(Standard) & RS485/4G(Optional)		
Mechanical Data			
Dimensions (W*H*D)	350 * 344 * 137mm		
Weight	8.5kg		
DC Connection Type	MC4		
AC Connection Type	Plug and play connector		
Safety			
Certifications ²	EN 61000-6, EN/IEC 62109, IEC 61727, IEC 62116, IEC 60068, IEC 61683, EN 50549, CEI 0-21, RD 1699, UNE 217001/2, CNAS, VDE 4105, NTS, RD467, 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.