

# GPG SCA2~3.6KTL-PS1/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 97.8% maximum efficiency, 97.3% 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 SCA2KTL-PS1/EU	GPG SCA3KTL-PS1/EU	GPG SCA3.6KTL-PS1/EU
<b>DC Input</b>			
Max. DC Voltage	500Vdc		
MPPT Operating Voltage Range	50-490Vdc		
Start Voltage	70Vdc		
Rated DC Voltage	360Vdc		
Number of MPPT	1		
Number of DC Connection Sets per MPPT	1		
Max. input current per MPPT	15A		
Max. DC short-circuit current per MPPT	20A		
String Fuse	N/A		
DC Disconnection Type	Integrated Switch		
<b>AC Output</b>			
Rated AC Power	2KW	3KW	3.6KW
Max. AC Power	2.2KVA	3.3KVA	3.6KVA
Rated AC Voltage	220V/230V/240V		
AC Voltage Range <sup>1</sup>	160 - 300V		
Grid Connection Type	L/N/PE		
Max. AC Current	10A	15A	16A
Grid Frequency	50/60Hz		
Grid Frequency Range <sup>1</sup>	45-55/55-65Hz		
Power Factor (cosφ)	>0.99(±0.8 adjustable)		
Current THD	< 3%		
AC Disconnection Type	-		
<b>System Data</b>			
Topology	Transformerless		
Max. Efficiency	97.5%	97.8%	97.8%
Euro Efficiency	96.6%	97.3%	97.3%
Consumption at Standby/Night	< 6W/1W		
<b>Protection</b>			
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		
<b>Environment Data</b>			
Ingress Protection	IP65		
Cooling Method	Natural Convection		
Operating Temperature	-25°C to +60°C		
Ambient Humidity	0 - 100%, Non-condensing		
Altitude	4000m		
<b>Display and Communication</b>			
Display	LED + APP(Bluetooth)		
Communication	WiFi(Standard) & RS485/4G(Optional)		
<b>Mechanical Data</b>			
Dimensions (W*H*D)	320 * 344 * 137mm		
Weight	6.5kg		
DC Connection Type	MC4		
AC Connection Type	Plug and play connector		
<b>Safety</b>			
Certifications <sup>2</sup>	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		

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