

# GPG SCA50/60KTL-T/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 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 99.0% maximum efficiency, 98.5% 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 SCA50KTL-T/EU	GPG SCA60KTL-T/EU
<b>DC Input</b>		
Max. DC Voltage	1100Vdc	
MPPT Operating Voltage Range	200-1000Vdc	
Start Voltage	250Vdc	
Rated DC Voltage	620Vdc	
Number of MPPT	4	4
Number of DC Connection Sets per MPPT	3/3/2/2	3/3/3/3
Max. input current per MPPT	39A/39A/26A/26A	39A/39A/39A/39A
Max. DC short-circuit current per MPPT	45A/45A/30A/30A	45A/45A/45A/45A
String Fuse	Yes	
DC Disconnection Type	Integrated Switch	
<b>AC Output</b>		
Rated AC Power	50kW	60kW
Max. AC Power	55kVA	66kVA
Rated AC Voltage	380V/400V	
AC Voltage Range <sup>1</sup>	277V-520V	
Grid Connection Type	3Φ / N / PE	
Max. AC Current	76A	92A
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	99.0%	
Euro Efficiency	98.5%	
Consumption at Standby/Night	< 25W/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 Type II / AC Type II	
AFCI	N/A	
<b>Environment Data</b>		
Ingress Protection	IP65	
Cooling Method	Cooling Fans	
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/RS485 (Standard) & 4G(Optional)	
<b>Mechanical Data</b>		
Dimensions (W*H*D)	855 * 555 * 275mm	
Weight	65kg	67kg
DC Connection Type	MC4	
AC Connection Type	OT/DT Terminal	
<b>Safety</b>		
Certifications <sup>2</sup>	EN 61000-6,EN/IEC 62109,IEC 61727,IEC 62116,IEC 60068,IEC 61683, EN 50530,EN 50549,CEI 0-16, CEI 0-21,G99,UTE C15-712-1,UNE 206006/206007-1, UNE 217001,RD1699,TOR Erzeuger,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.