



GPG SCA30KTL-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, 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 98.6% maximum efficiency, 98.3% 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 SCA30KTL-T1/EU
DC Input	
Max. DC Voltage	1000Vdc
MPPT Operating Voltage Range	180-950Vdc
Start Voltage	250Vdc
Rated DC Voltage	620Vdc
Number of MPPT	2
Number of DC Connection Sets per MPPT	3/3
Max. input current per MPPT	40.5A/40.5A
Max. DC short-circuit current per MPPT	45A
String Fuse	N/A
DC Disconnection Type	Integrated Switch
AC Output	
Rated AC Power	30kW
Max. AC Power	33kVA
Rated AC Voltage	380V/400V
AC Voltage Range ¹	277 - 520V
Grid Connection Type	3Φ / N / PE
Max. AC Current	48A
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	98.6%
Euro Efficiency	98.3%
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	N/A
Environment Data	
Ingress Protection	IP65
Cooling Method	Cooling Fans
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)	555 * 446 * 270mm
Weight	40kg
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,RD 1699,VDE 4105,TOR Erzeuger

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.