

SINGLE PHASE & SINGLE MPPT

GS 2/3/3.6KTL-S1/G2

Application: Family Use



SUPERIOR EFFICIENCY

- Maximum efficiency 97.8%
- String Current 13A, compatible with high Power modules
- 150% PV configuration, 110% output overload



HIGH RELIABILITY

- IP65 waterproof and dustproof, C5 anti-corrosion
- Compatible with wide power grid voltage and high harmonic power grid environment
- DC /AC SPD optional, AFCI detection optional



INTELLIGENT MAINTENANCE

- Remote configuration and upgrade
- Supports export power control



Model	GS 2KTL-S1/G2	GS 3KTL-S1/G2	GS 3K6TL-S1/G2
Efficiency			
Max. Efficiency	97.5%	97.8%	97.8%
European Efficiency	96.5%	96.8%	96.8%
Input(PV)			
Max. Input Voltage		500V	
Max. PV configuration (STC)		150%	
Rated Input Voltage		360V	
Max. Input Current		13A	
Max.Short Circuit Current		15A	
Start Input Voltage		70V	
MPPT Operating Voltage Range		50V-490V	
Max. Number of PV Strings		1	
No. of MPPTs		1	
Output(Grid)			
Rated AC Active Power	2,000W	3,000W	3,600W
Max. AC Apparent Power	2,200VA	3,300VA	3,600VA
Max. AC Active Power (PF=1)	2,200W	3,300W	3,600W
Max. AC Output Current	10A	15A	16.0A
Rated AC Voltage	220V/230V, L+N+PE		
AC Voltage Range①	160V-300V (Adjustable)		
Rated Grid Frequency	50Hz / 60Hz		
Grid Frequency Range②	45Hz-55Hz / 55Hz-65Hz (Adjustable)		
THDI	<3% (Rated Power)		
DC Current Injection	<0.5%In		
Power Factor	>0.99 Rated power (Adjustable 0.8 Leading-0.8 Lagging)		
Protection			
DC switch	Support		
Anti-islanding protection	Support		
AC overcurrent protection	Support		
AC short circuit protection	Support		
DC reverse connection	Support		
Surge Arrester	DC Type III (Optional) / AC Type III		
Insulation detection	Support		
Leakage current protection	Support		
General			
Topology	Transformerless		
IP Rating	IP65		
Night Self Consumption	<1W		
Cooling	Natural cooling		
Operating Temperature Range	-25°C-60°C		
Relative Humidity Range	1-100%		
Max. Operating Altitude	4000m		
Noise (typical)	30dB		
Dimensions (W*H*D)	320mm*344mm*137mm		
Weight	6.5kg		
HMI & COM			
Display	Wireless & APP+LED, LCD (Optional)		
Communication	WiFi (Optional) / GPRS (Optional) / RS485 (Optional)		
Certification			
Safety	IEC62109-1, IEC62109-2		
Grid Code	IEC61727 / 62116, ABNT 16149 / 16150, IEEE 1547, AS 4777		
Warranty	5 Years		

Remarks : • ①② The range of output voltage and frequency may vary depending upon different grid codes.
• Specifications are subject to change without advance notice.