

SINGLE PHASE & DUAL MPPT

GS 7/8/10KTL-D1

Application: Family Use



SUPERIOR EFFICIENCY

- Maximum efficiency 98.2%
- 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 7KTL-D1	GS 8KTL-D1	GS 10KTL-D1
Efficiency			
Max. Efficiency	98.2%	98.2%	98.2%
European Efficiency	97.4%	97.5%	97.6%
Input(PV)			
Max. Input Voltage		550V	
Max. PV configuration (STC)		150%	
Rated Input Voltage		360V	
Max. Input Current	26A (2*13A)		39A (2*13A+13A)
Max.Short Circuit Current	30A (2*15A)		45A(2*15A+15A)
Start Input Voltage		90V	
MPPT Operating Voltage Range		70V-540V	
Max. Number of PV Strings	2(1/1)		3(2/1)
No. of MPPTs		2	
Output(Grid)			
Rated AC Active Power	7,000W	8,000W	10,000W
Max. AC Apparent Power	7,700VA	8,800VA	10,000VA
Max. AC Active Power (PF=1)	7,700W	8,800W	10,000W
Max. AC Output Current	35A	40A	45.5A
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)		400mm*450mm*170mm	
Weight		16kg	
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/10 Years (Optional)	

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