

SUNGROW
www.sungrowpower.com

Green and Effective



We are the leading PV inverter manufacturer in the world.

- With 18 years of proven experience since 1997
- Over 12GW deployed globally
- Global No.2 by MW volume

SUNGROW

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Light and quiet.



SG2K/2K5/3K/4K/5KTL



Flexible

- Dual MPPT (for SG3/5KTL-D), compatible with different residential rooftop system design
- Max. input voltage 600V, compatible with different PV panels and string designs



Intelligent

- Connects to your internet router via WI-FI. See your solar performance on-line or on your smartphone and receive email alerts if any problems occur



Easy

- Only 9kg for SG2K/2K5/3KTL-S, easy for handling and installation
- Easy replacment and transportation, reduce the trouble of service



Qualified

- Certified to the highest design and Australian safety standards
- TÜV, CE, AS4777, AS/NZS 3100, VDE AR N 4105, certification
- 5-year parts and labour warranty



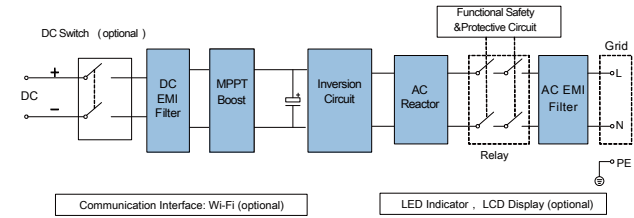
Note: 1xRS485 port for LCD or Wifi.

Input	SG2KTL-S	SG2K5TL-S	SG3KTL-S	SG3KTL-D	SG4KTL-S	SG5KTL-D
Max. PV input power	2300W	2800W	3300W	3300W	4300W	5400W
Max. PV input voltage				600V		
Startup voltage				150V		
Nominal input voltage				345V		
MPP voltage range				125~560V		
MPP voltage range for nominal power	210~520V	240~520V	280~520V	150~520V	240~520V	240~520V
No. of MPPTs	1	1	1	2	1	2
Max. number of PV strings per MPPT	1	1	1	1	2	1
Max. PV input current	11A	11A	11A	22A (11A/11A)	18A (9A/9A)	22A (11A/11A)
Max. current for input connector				20A		
Output						
Nominal AC output power	2000W	2490W	3000W	3000W	4000W	5000W/4600W *(Australia)
Max. AC output power (PF=1)	2150W	2490W	3150W	3150W	4210W	5000W
Max. AC output apparent power	2150VA	2490VA	3150VA	3150A	4210VA	5000VA
Max. AC output current	9.5A	11.5A	13.7A	13.7A	18.3A	21.7A/20A *(Australia)
Nominal AC voltage				230Vac (single phase)		
AC voltage range				180~276Vac		
Nominal grid frequency				50Hz/60H		
Grid frequency range				45~55Hz/55~65Hz		
THD				<3% (nominal power)		
DC current injection				<0.5 %In		
Power factor	>0.99@default value at nominal power, (adj. 0.8 leading – 0.8 lagging)					
Protection						
Anti-islanding protection				Yes		
LVRT				No		
DC reverse connection protection				Yes		
AC short circuit protection				Yes		
Leakage current protection				Yes		
DC switch				Optional		
DC fuse				No		
Overvoltage protection				Varistors		
System Specification						
Max. efficiency				98.00%		
Max. European efficiency	97.00%	97.40%	97.50%	97.50%	97.50%	97.50%
Isolation method				Transformerless		
Ingress protection rating				IP65		
Night power consumption				<1W		
Operating ambient temperature range				-25~60℃ (>45℃ derating)		
Allowable relative humidity range				0~100%		
Cooling method				Natural cooling		
Max. operating altitude				4000m (>2000m derating)		
Display				LED , LCD (optional)		
Communication				WiFi (optional)		
DC connection type				MC4		
AC connection type				Plug and play connector		
Certification	IEC61000-6-2, IEC61000-6-3, IEC 62109-1, IEC 62109-2, AS/NZS3100, AS4777.2, AS4777.3, VDE-AR-N-4105, VDE0126-1-1, CE,G83/2, C10/11,					
Mechanical Specification						
Dimensions (W*H*D)	300*370*125 mm	300*370*125 mm	300*370*125 mm	360*390*133 mm	360*390*133 mm	360*390*133 mm
Mounting method				Wall bracket		
Weight	9kg	9kg	9kg	11kg	11kg	11kg

* When the country parameter of SG5KTL-D is set to Australia, nominal output is 4600W and maximum output current is 20A.

Circuit Diagram

SG2KTL-S~4KTL-S



SG3/5KTL-D

