

## SG2KTL-S/SG3KTL-S

String Inverter



### Flexible

- Dual MPPT, compatible with different residential rooftop system design(Only - D series products )
- Max. input voltage 600V, compatible with different PV panel and string design



### Easy

- Only 9 kg of 3 kW inverter, easy to handle and install
- Easy replacement and transportation, reduce the trouble of service



### Intelligent

- Intelligent Wi-Fi communication, flexible for various applications
- Intelligent local access via the APP, convenient to view the data any time
- Intelligent cloud monitoring to enable the centralized operation, management and maintenance



### Qualified

- TÜV, CE, AS4777, AS/NZS 3100, VDE AR N 4105, KTC certification



## Input Side Data

	SG2KTL-S	SG 3KTL-S
Max. PV input power	3000W	4000W
Max. PV input voltage	600V	
Startup voltage	120V	
Nominal input voltage	360V	
MPP voltage range	110 - 560V	
MPP voltage range for nominal power	210 - 480V	310 - 480V
No. of MPPTs	1	
Max. number of PV strings per MPPT	1	
Max. PV input current	10A	
Max. current for input connector	12A	

## Output Side Data

	SG2KTL-S	SG 3KTL-S
Nominal AC output power	2000W	3000W
Max AC output power( PF=1)	2000W	3000W
Max. AC output apparent power	2000VA	3000VA
Max. AC output current	9.1A	13.6A
Nominal AC voltage	220Vac, 230Vac (Single phase)	
AC voltage range	180 - 276Vac (May vary as per corresponding country's grid standard)	
Nominal grid frequency	50Hz/60Hz	
Grid frequency range	45 - 55Hz/55 - 65Hz (May vary as per corresponding country's grid standard)	
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

	SG2KTL-S	SG 3KTL-S
Anti-islanding protection	Yes	
LVRT	No	
DC reverse connection protection	No	
AC short circuit protection	Yes	
Leakage current protection	Yes	
DC switch	Optional	
DC fuse	No	
Overvoltage protection	Varistors	

## System Data

	SG2KTL-S	SG 3KTL-S
Max. efficiency	97.40%	97.50%
Max. European efficiency	96.60%	97.00%
Isolation method	Transformerless	
Ingress protection rating	IP65	
Night power consumption	<1W	
Operating ambient temperature range	-25 to 60°C (>45°C derating)	
Allowable relative humidity range	0 -100%	
Cooling method	Natural cooling	
Max. operating altitude	2000m	
Display	LED indicator, LCD (optional, see communication options below)	
Communication	Optional: eShow (LCD), eShow+ (LCD + Wi-Fi), ZE100 (LCD + Wi-Fi + energy meter for zero-export), GPRS (for China & Europe), Remark: Built-in earth fault alarm on eShow, eShow+ and ZE100	
DC connection type	MC4	
AC connection type	Plug and play connector	
Certification	IEC61000-6-2, IEC61000-6-3 AS/NZS3100, AS4777.2 , AS4777.3 , IEC62109-1, IEC62109-2, VDE-AR-N-4105, VDE0126-1-1, G83/2 G59/3, C10/11, EN50438 NB/T 32004, GB/T29319 KS C8564:2015.; CE, CGC, TUV, SAA, KTC	

## Mechanical Data

	SG2KTL-S	SG 3KTL-S
Dimensions (W*H*D)	300*370*125 mm	
Mounting method	Wall-mounting bracket	
Weight	9kg	

## Efficiency Curve

