

SG2KTL-S/SG3KTL-S

String Inverter



Suitable for Household Use

- 30dB noise level, quieter than a house refrigerator
- Easy installation
- Optional Wi-Fi monitoring



User Friendly

- Good grid connect features
- Flexible communication with multiple communication methods



Input Side Data

SG2KTL-S

SG 3KTL-S

Max. PV input power
Max. PV input voltage
Startup voltage
Nominal input voltage
MPP voltage range
MPP voltage range for nominal power
No. of MPPTs
Max. number of PV strings per MPPT
Max. PV input current
Max. current for input connector

3000W
600V
120V
350V
110~560V
210~480V
1
1
10A
12A

4000W

310~480V

Output Side Data

Nominal AC output power
Max. AC output power (PF=1)
Max. AC output apparent power
Max. AC output current
Nominal AC voltage
AC voltage range
Nominal grid frequency
Grid frequency range
THD
DC current injection
Power factor

2000W
2000W
2000VA
9.1A
220Vac, 230Vac (Single phase)
180~276Vac (May vary as per corresponding country's grid standard)
50Hz/60Hz
45~55Hz/55~65Hz (May vary as per corresponding country's grid standard)
< 3 % (Nominal power)
<0.5 %In
>0.99@default value at nominal power, (adj. 0.8 leading ~ 0.8 lagging)

3000W
3000W
3000VA
13.6A

Protection

Anti-islanding protection
LVRT
DC reverse connection protection
AC short circuit protection
Leakage current protection
DC switch
DC fuse
Overvoltage protection

Yes
No
No
Yes
Yes
Optional
No
Varistors

System Data

Max. efficiency
Max. European efficiency
Isolation method
Ingress protection rating
Night power consumption
Operating ambient temperature range
Allowable relative humidity range
Cooling method
Max. operating altitude
Display
Communication
DC connection type
AC connection type
Certification

97.40%
96.60%
Transformerless
IP65
<1W
-25~60°C (>45°C derating)
0~100%
Natural cooling
4000m (>2000m derating)
LED , LCD (optional)
WiFi (optional)
MC4
Plug and play connector
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,C10/11,EN50438,NB/T 32004,GB/T29319,KS
C8564:2015,CE,CGC,TUV,SAA,KTC

97.50%
97.00%

Mechanical Data

Dimensions (W*H*D)
Mounting method
Weight

300*370*125 mm
Wall bracket
9kg

Efficiency Curve

