

# SG3KTL-D/SG5KTL-D

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                     | SG3KTL-D  | SG5KTL-D                            |
|-------------------------------------|---|-------------------------------------|
| Max. PV input power                 | 4000W   | 6500W                               |
| Max. PV input voltage               | 600V  |                                     |
| Startup voltage                     | 120V  |                                     |
| Nominal input voltage               | 350V  |                                     |
| MPP voltage range                   | 110~560V  |                                     |
| MPP voltage range for nominal power | 150~480V  | 260~480V                            |
| No. of MPPTs                        | 2   |                                     |
| Max. number of PV strings per MPPT  | 1   |                                     |
| Max. PV input current               | 20A(10A/10A)  |                                     |
| Max. current for input connector    | 24A(12A/12A)  |                                     |
| Output Side Data                    |   |                                     |
| Nominal AC output power             | 3000W   | 5000W/4990W *(Australia)            |
| Max. AC output power (PF=1)         | 3000W   | 5000W/4990W *(Australia)            |
| Max. AC output apparent power       | 3000VA  | 5000W/4990W *(Australia)            |
| Max. AC output current              | 13.6A   | 21.7A(for 230Vac),22.7A(for 220Vac) |
| 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                          |   |                                     |
| 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                         |   |                                     |
| Max. efficiency                     | 97.40%  | 97.50%                              |
| Max. European efficiency            | 96.90%  | 97.10%                              |
| Isolation method                    | Transformerless   |                                     |
| Ingress protection rating           | IP65  |                                     |
| Night power consumption             | <1W   |                                     |
| Operating ambient temperature range | -25~60°C (>45°C 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,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 |                                     |
| Mechanical Data                     |   |                                     |
| Dimensions (W*H*D)                  | 360*390*133 mm  |                                     |
| Mounting method                     | Wall bracket  |                                     |
| Weight                              | 11kg  |                                     |

Note:When the SG5KTL-D type countries choose to Australia, rated output power is 4990W(VA).

### Efficiency Curve

