

# SG 60KTL



### Flexible

- Handy and light, easy to handle without lift machinery assistance, lower the cost of installation and maintenance.
- Integrated DC combine and surge protection function, lower the system cost
- DC arc detection function(optional), further enhance the safety performance



### Grid-friendly

- Active power continuously adjustable (0-100%)
- Fullfil a variety of reactive power adjustment requirments with power factor 0.8overexited ~0.8 underexited
- Integrated LVRT and HVRT function



### Efficient

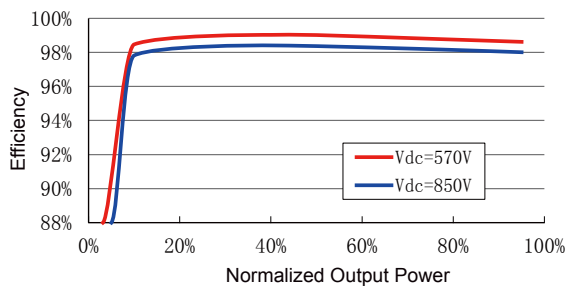
- Max. Efficiency at 99%
- Integrated string detection function, find mismatch panel in time and accurately
- PV panel PID effect eliminate function(optional), decrease the loss of generation attenuation



### Qualified

- TÜV, CE, G59/3, BDEW, CGC and GB-T19964 certification

### Efficiency Curve



**AC voltage**

**220/380Vac**

**230/400Vac**

**Input Side Data**

Max. PV input power	67500W	
Max. PV input voltage	1000V	
Startup voltage	620V	
MPP voltage range	550~950V	570~950V
MPP voltage range for nominal power	550~850V	570~850V
No. of MPPTs	1	
Max. number of PV strings per MPPT	12	
Max. PV input current	120	
Max. current for input connector	12A	

**Output Side Data**

Nominal AC output power	60000W	
Max. AC output power (PF=1)	63360W	66000W
Max. AC output apparent power	63360VA	66000VA
Max. AC output current	96A	
Nominal AC voltage	3/N/PE, 220/380Vac	3/N/PE, 230/400Vac
AC voltage range	310~480Vac	
Nominal grid frequency	50Hz/60Hz	
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.)	
Protection	0.8overexcited ~0.8underexcited	

Anti-islanding protection	Yes
LVRT	Yes
DC reverse connection protection	Yes
AC short circuit protection	Yes
Leakage current protection	Yes
DC switch	Yes
DC fuse	Yes
Overvoltage protection	DC Type II DIN rail surge arrester (40KA)

**System Data**

Max. efficiency	99.00%
Max. European efficiency	98.70%
Isolation method	Transformerless
Ingress protection rating	IP65
Night power consumption	<1W
Operating ambient temperature range	-25~60°C (>50°C derating)
Allowable relative humidity range	0~100%
Cooling method	Smart forced air cooling
Max. operating altitude	4000m (>3000m derating)
Display	Graphic LCD
Communication	RS485
DC connection type	MC4
AC connection type	Screw Clamp terminal
Certification	VDE0126-1-1, EN62109-1, EN62109-2, G59/3, BDEW, GB/T 19964, GB/T 29319

**Mechanical Data**

Dimensions (W*H*D)	634*959*267mm
Mounting method	Wall bracket
Weight	55kg

**Circuit Diagram**

