

Single Phase Inverter



Intelligent

Reliable

Safe

Efficient



- 1. Max Efficiency of 97.5% and wide input range.
- 2. Dual MPPT design with precise MPPT algorithm.
- 3. Natural cooling, IP65 protection.
- 4. Compact and light design for easy installation.
- 5. Transformerless GT topology.
- 6. RS485, WiFi Interface.
- 7. Numerous protection functions.
- 8. With built-in Anti-overflow function.
- 9. 5 years standard warranty, 25 years lifespan design.

Optional models:

3.6kW

SUN-3.6K-G

5kW

SUN-5K-G

Leading features:

No fan

Radiating

Super wide

voltage range

WIFI

Real-time monitoring



IP65

Technical Specifications

Model	SUN-3.6K-G	SUN-5K-G
Energy source	Grid-connected PV	
Input Side		
Max.DC Power(kW)	3.9	5.5
Max.DC Input Voltage(V)	600	
Start-up DC Input Voltage(V)	120	
MPPT Operating Range(V)	100-550V	100-550V
Max.DC Input Current(A)	10A+10A	
Number of MPP/Number of Strings	2/2	
Output Side		
Rated Output Power(kW)	3.6	5
Max. Active Power(kW)	3.7	5.3
Rated AC Grid Voltage(V)	220	
AC Grid Voltage Range(V)	180-270	
Rated Grid Frequency(Hz)	50/60 (Optional)	
Operating Phase	Single phase	
Rated AC Grid Output Current(A)	16.3	22.7
Max.AC Output Current(A)	18	25
Output Power Factor	>0.99	
Grid Current THD	<3%	
DC Injection Current(mA)	<0.5%	
Grid Frequency Range	47-52 or 57-62 (Optional)	
Efficiency		
Max. Efficiency	97.3%	97.5%
Euro Efficiency	97.1%	97.3%
MPPT Efficiency	>99%	
Protection		
DC Reverse-Polarity Protection	Yes	
AC Short Circuit Protection	Yes	
AC Output Overcurrent Protection	Yes	
Output Overvoltage Protection	Yes	
Insulation Resistance Protection	Yes	
Ground Fault Monitoring	Yes	
Surge Protection	Yes	
Islanding Protection	Yes	
Temperature Protection	Yes	
Integrated DC Switch	Optional	
General Data		
Size(mm)	385W*453.4H*164.5D	
Weight(kg)	15	
Topology	Transformerless	
Internal Consumption	<2W(Night)	
Running Temperature	-25-60 C	
Ingress Protection	IP65	
Noise Emission(Typical)	<30 dB	
Cooling Concept	Natural convection	
Max. Operating Altitude Without Derating	2000m	
Designed Lifetime	>20 years	
Grid Connection Standard	EN50438,IEC61727,VDE4105 NB/T32004(CQC),IEC62109-1-2	
Operating Surroundings Humidity	0-100%	
Stafy EMC /Standard	IEC62109-1/-2,NB/T 32004,EN61000-6-1,EN61000-6-3	
Features		
DC Connection	MC-4 mateable	
AC Connection	IP65 rated plug	
Display	3.5TFT	
Interface	RS485/RS232	