

Three Phase Inverter



- 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. Phone APP monitoring available.
- 9. 5 years standard warranty, 25 years lifespan design.

Optional models:

10kW	SUN-10K-G	12kW	SUN-12K-G
15kW	SUN-15K-G	20kW	SUN-20K-G

Leading features:

No fan Radiating	Super wide voltage range	WIFI Real-time monitoring	Available on the iPhone APP Store	Available on the Android APP Store	IP65
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Technical Specifications

Model	SUN-10K-G	SUN-12K-G	SUN-15K-G	SUN-20K-G
Energy source	Grid-connected PV			
Input Side				
Max.DC Power(kW)	11	13.2	16.5	22
Max.DC Input Voltage(V)	1000			
Start-up DC Input Voltage(V)	300			
MPPT Operating Range(V)	200-800			
Max.DC Input Current(A)	18+18			
Number of MPPT/Number of Strings	2/2			
Output Side				
Rated Output Power(kW)	10	12	15	20
Max. Active Power(kW)	11	13.2	15.5	21
Rated AC Grid Voltage(V)	380/400			
AC Grid Voltage Range(V)	277-460			
Rated Grid Frequency(Hz)	50/60 (Optional)			
Operating Phase	Three phase			
Rated AC Grid Output Current(A)	14.5	17.4	22.7	29
Max.AC Output Current(A)	15.95	19.14	24.97	31.9
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%	97.3%	97.5%	97.5%
Euro Efficiency	97.1%	97.1%	97.3%	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)	455W*550.8H*240.5D			
Weight(kg)	28			
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			