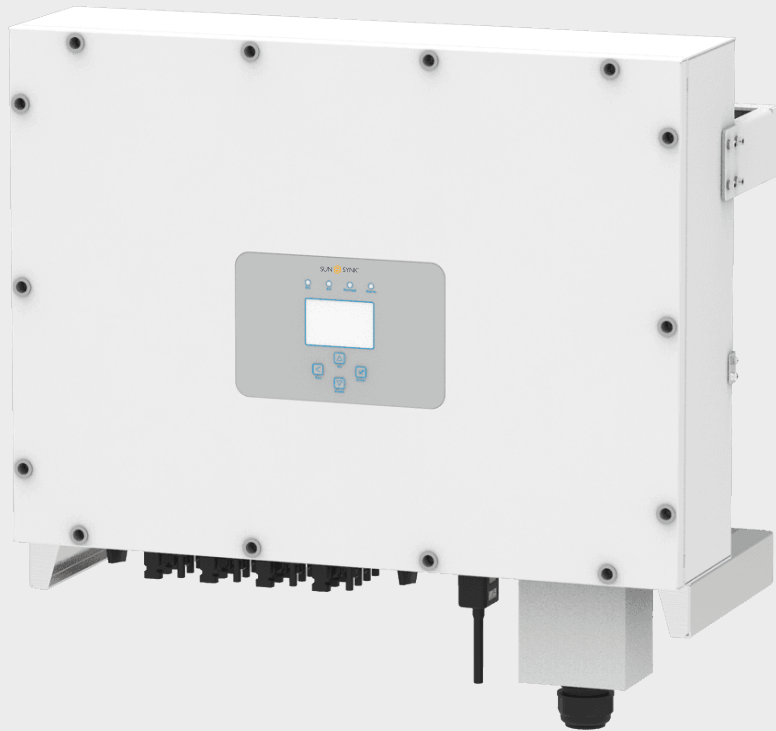




Grid-connected PV Inverter



DATASHEET

SUN-60K-G04P1-EU / SUN-70K-G04P1-EU /
SUN-75K-G04P1-EU / SUN-80K-G04P1-EU

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Model	SUN-60K-G	SUN-70K-G	SUN-750K-G	SUN-80K-G
Input Side				
Max.DC Power	78 kW	91 kW	97.5 kW	104 kW
Max.DC Input Voltage	1000 V			
Start-up DC Input Voltage	250 V			
MPPT Operating Range	200 ~ 850 V			
Max.DC Input Current	40+40+40+40 A			
Max. Short Circuit Current	60+60+60+60 A			
Number of Strings per MPPT	4/3+3+3+3	4/4+4+4+4	4/4+4+4+4	4/4+4+4+4
MAX inverter backfeed current	0			
Output Side				
Rated Output Power	60 kW	70 kW	75 kW	80 kW
Max. Active Power	66 kW	77 kW	82.5 kW	88 kW
Rated AC Grid Voltage	3L/N/PE 230/400V 220/380V			
AC Grid Voltage Range	0.85Un-1.1Un (this may vary with grid standards)			
Rated Grid Frequency	50/60 Hz (Optional)			
Operating Phase	Three Phase			
Rated AC Grid Output Current	90.9/87.0 A	106.1/101.5 A	113.6/108.7 A	121.2/115.9 A
Max.AC Output Current	100/95.7 A	116.7/111.6 A	125/119.6 A	133.3/127.5 A
Maximum output fault current (a.c. A,peak)	166.1 A	193.8 A	207.5 A	221.2 A
Maximum output overcurrent protection (a.c. A,peak)	184.5 A	215.3 A	230.6 A	245.8 A
Output Power Factor	0.8 leading~0.8 lagging			
Grid Current THD	<3%			
DC Injection Current	<0.5 mA			
Grid Frequency Range	47-52 or 57-62 (optional)			
Efficiency				
Max.Efficiency	98.6%	98.7%		
Euro Efficiency	98.3%			
MPPT Efficiency	>99%			
General Data				
Size (W×H×D)	700×575×297 mm			
Weight	60 kg			
Topology	Transformerless			
Internal Consumption	<1W (Night)			
Operating Temperature Range	-25 ~ 60°C, >45°C derating			
Ingress Protection	IP65			
Noise Emission (Typical)	≤ 50 dB	≤ 55 dB		
Cooling Concept	Smart cooling			
Max. Operation Altitude	2000m			
Designed Lifetime	>20 Years			
Grid Connection Standard	VDE4105,IEC61727/62116,VDE0126,AS4777.2,CEI 0 21,EN50549-1, G98,G99,C10-11,UNE217002,NBR16149/NBR16150			

General Data

Operation Surrounding Humidity	0~100%
Safety EMC / Standard	IEC/EN 62109-1,IEC/EN 62109-2, IEC/EN 61000-6-1,IEC/EN 61000-6-2,IEC/EN 61000-6-3,IEC/EN 61000-6-4
DC Connection	MC-4 mateable
AC Connection	IP65 rated plug
Display	LCD1602
Interface	RS485/RS232/Wifi/LAN



CONTACT US

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