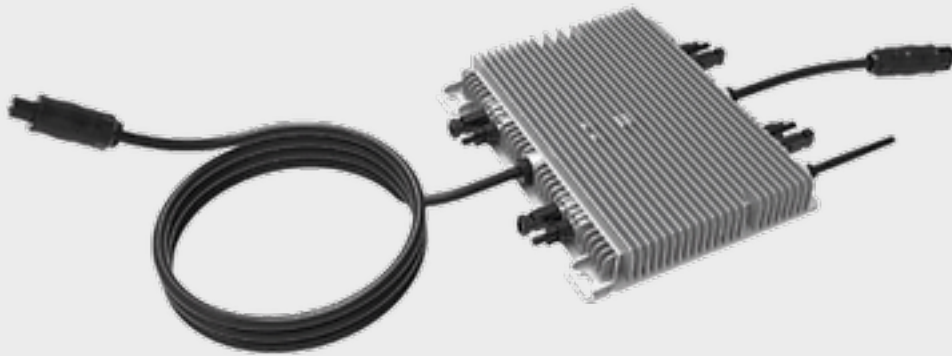


Photovoltaic Grid-connected Microinverter(Built-in WIFI-G3)



DATASHEET

SUN300G3-EU-230/SUN500G3-EU-230/SUN600G3-EU-230/
SUN800G3-EU-230/SUN1000G3-EU-230/SUN1300G3-EU-230/
SUN1600G3-EU-230/SUN1800G3-EU-230/SUN2000G3-EU-230

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300G3/500G3/600G3 Specification

Model	SUN300G3-EU-230	SUN500G3-EU-230	SUN600G3-EU-230
Input Data (DC)			
Recommended	210~400W	210~600W	210~400W
Maximum input DC voltage	60V		
MPPT voltage Range	25~55V		
Operating DC voltage Range	25~60V		
Max DC short circuit current	16A	16A	16A
Max input current	10.5A x1	12.5A x1	10.5A x2
Output Data (AC)			
Rated output power	300W	500W	600W
Maximum output power	330W	550W	660W
Maximum output current	1.4A	2.4A	2.9A
Nominal voltage/range	230V / 184-265V		
Nominal frequency	50 / 60Hz		
Extended frequency/range	45~55Hz / 55~65Hz		
Power factor	>0.99		
Maximum unit per banch	10		
Max allowed altitude operating	<4000m		
Max inverter backfeed current to the array	0A		
Max output fault current	10A		
Max output overcurrent protection	1.4A	2.4A	2.9A
Efficiency			
CEC weighted efficiency	95%		
Peak inverter efficiency	96.5%		
Static MPPT efficiency	99%		
Night time power consumption	50mW		
Mechanical Data			
Ambient temperature range	-40 °C ~ +65 °C		
Dimensions(WxHxDmm)	212x229x40mm (Does not include cable)		
Weight(kg)	3.5		
Cooling	Natural Convection - No Fans		
Enclosure environmental rating	IP67		
Protective class	Class III		
Features			
Compatibility	Compatible with 60,72 cell PV modules		
Communication	Power line / Wifi / Zigbee		
Compliance	EN50549,VDE0126,VDE4105,IEC62109,CE,INMETRO		
Warranty	10 Years		

800G3/1000G3 Specification

Model	SUN800G3-EU-230	SUN1000G3-EU-230
Input Data (DC)		
Recommended input power (STC)	210~600W	
Maximum input DC voltage	60V	
MPPT voltage Range	25~55V	
Operating DC voltage Range	25~60V	
Max DC short circuit current	16A	
Max input current	12.5A x2	
Output Data (AC)		
Rated output power	800W	1000W
Maximum output power	880W	1100W
Maximum output current	3.8A	4.8A
Nominal voltage/range	230V / 184-265V	
Nominal frequency	50 / 60Hz	
Extended frequency/range	45~55Hz / 55~65Hz	
Power factor	>0.99	
Maximum unit per banch	6	5
Max allowed altitude operating	<4000m	
Max inverter backfeed current to the array	0A	
Max output fault current	10A	
Max output overcurrent protection	3.8A	4.8A
Efficiency		
CEC weighted efficiency	95%	
Peak inverter efficiency	96.5%	
Static MPPT efficiency	99%	
Night time power consumption	50mW	
Mechanical Data		
Ambient temperature range	-40 °C ~ +65 °C	
Dimensions(WxHxDmm)	212x229x40mm (Does not include cable)	
Weight(kg)	3.5	
Cooling	Natural Convection - No Fans	
Enclosure environmental rating	IP67	
Protective class	Class III	
Features		
Compatibility	Compatible with 60,72 cell PV modules	
Communication	Power line / Wifi / Zigbee	
Compliance	EN50549,VDE0126,VDE4105,IEC62109,CE,INMETRO	
Warranty	10 Years	

1300G3/1600G3/1800G3/2000G3 Specification

Model	SUN1300G3-EU-230	SUN1600G3-EU-230	SUN1800G3-EU-230	SUN2000G3-EU-230
Input Data (DC)				
Recommended input power (STC)	210~400W	210~600W	210~600W	210~600W
Maximum input DC voltage	60V			
MPPT voltage Range	25~55V			
Operating DC voltage Range	25~60V			
Max DC short circuit current	16A			
Max input current	10.5A x4	12.5A x4	12.5A x4	12.5A x4
Output Data (AC)				
Rated output power	1300W	1600W	1800W	2000W
Maximum output power	1430W	1760W	1980W	2200W
Maximum output current	6.2A	7.7A	8.6A	9.6A
Nominal voltage/range	230V / 184-265V			
Nominal frequency	50 / 60Hz			
Extended frequency/range	45~55Hz / 55~65Hz			
Power factor	>0.99			
Maximum unit per banch	4	4	3	3
Max allowed altitude operating	<4000m			
Max inverter backfeed current to the array	0A			
Max output fault current	10A			
Max output overcurrent protection	6.2A	7.7A	8.6A	9.6A
Efficiency				
CEC weighted efficiency	95%			
Peak inverter efficiency	96.5%			
Static MPPT efficiency	99%			
Night time power consumption	50mW			
Mechanical Data				
Ambient temperature range	-40 °C ~ +65 °C			
Dimensions(WxHxDmm)	212x229x40mm (Does not include cable)			
Weight(kg)	3.5			
Cooling	Natural Convection - No Fans			
Enclosure environmental rating	IP67			
Protective class	Class III			
Features				
Compatibility	Compatible with 60,72 cell PV modules			
Communication	Power line / Wifi / Zigbee			
Compliance	EN50549,VDE0126,VDE4105,IEC62109,CE,INMETRO			
Warranty	10 Years			



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