

Microinverter

SUN300G3-US-220/EU-230

SUN500G3-US-220/EU-230



- Support reactive power compensation
- IP67 protection degree, 10 years warranty
- 1 MPP tracker, module level monitoring
- Rapid shutdown function
- PLC, Zigbee or WIFI communication

Technical Data

Model	SUN300G3-US-220		SUN300G3-EU-230		SUN500G3-US-220		SUN500G3-EU-230	
Input Data (DC)								
Recommended input Power (STC)	210~400W (1 Piece)			210~600W (1 Piece)				
Maximum input DC Voltage	60V							
MPPT Voltage Range	25~55V							
Operating DC Voltage Range	20~60V							
Max. DC Short Circuit Current	19.5A							
Max. input Current	13A							
Number of MPPT / Strings per MPPT	1/1							
Output Data (AC)								
Rated output Power	300W			500W				
Rated output Current	1.4A	1.3A		2.3A		2.2A		
Nominal Voltage / Range (this may vary with grid standards)	220V / 176-242V	230V / 184~265V		220V / 176-242V		230V / 184~265V		
Nominal Frequency / Range	50 / 60Hz							
Extended Frequency / Range	45~55Hz / 55~65Hz							
Power Factor	>0.99							
Output Current Harmonic Distortion	<3%							
Maximum units per branch	17			10				
Efficiency								
CEC Weighted Efficiency	95%							
Peak Inverter Efficiency	96.5%							
Static MPPT Efficiency	99%							
Night Time Power Consumption	50mW							
Mechanical Data								
Ambient Temperature Range	-40~65℃							
Size (mm)	189W×184H×31.5D (Without mounting bracket and cable)							
Weight (kg)	2							
Cooling	Natural cooling							
Enclosure Environmental Rating	IP67							
Features								
Compatibility	Compatible with 60~72 cell PV modules							
Communication	Power line / WIFI / Zigbee							
Grid Connection Standard	EN50549-1, VDE0126-1-1, VDE 4105, ABNT NBR 16149, ABNT NBR 16150, ABNT NBR 62116, RD1699, UNE 206006 IN, UNE 206007-1 IN, IEEE1547							
Safety EMC / Standard	UL 1741, IEC62109-1/-2, IEC61000-6-1, IEC61000-6-3, IEC61000-3-2, IEC61000-3-3							
Warranty	10 years							

Microinverter

SUN600G3-US-220/EU-230

SUN800G3-US-220/EU-230

SUN1000G3-US-220/EU-230



- Support reactive power compensation
- IP67 protection degree, 10 years warranty
- 2 MPP trackers, module level monitoring
- PLC, Zigbee or WIFI communication
- Rapid shutdown function

Technical Data

Model	SUN600G3-US-220 SUN600G3-EU-230 SUN800G3-US-220 SUN800G3-EU-230 SUN1000G3-US-220 SUN1000G2-EU-230					
Input Data (DC)						
Recommended input Power (STC)	210~400W (2 Pieces)		210~500W (2 Pieces)		210~600W (2 Pieces)	
Maximum input DC Voltage	60V					
MPPT Voltage Range	25~55V					
Operating DC Voltage Range	20~60V					
Max. DC Short Circuit Current	2×19.5A					
Max. input Current	2×13A					
Number of MPPT / Strings per MPPT	2/1					
Output Data (AC)						
Rated output Power	600W		800W		1000W	
Rated output Current	2.7A	2.6A	3.6A	3.5A	4.5A	4.3A
Nominal Voltage / Range (this may vary with grid standards)	220V / 176-242V	230V / 184~265V	220V / 176-242V	230V / 184~265V	220V / 176-242V	230V / 184~265V
Nominal Frequency / Range	50 / 60Hz					
Extended Frequency / Range	45~55Hz / 55~65Hz					
Power Factor	>0.99					
Output Current Harmonic Distortion	<3%					
Maximum units per branch	8		6		5	
Efficiency						
CEC Weighted Efficiency	95%					
Peak Inverter Efficiency	96.5%					
Static MPPT Efficiency	99%					
Night Time Power Consumption	50mW					
Mechanical Data						
Ambient Temperature Range	-40~65℃					
Size (mm)	212W×230H×40D (Without mounting bracket and cable)					
Weight (kg)	3.5					
Cooling	Natural cooling					
Enclosure Environmental Rating	IP67					
Features						
Compatibility	Compatible with 60~72 cell PV modules					
Communication	Power line / WIFI / Zigbee					
Grid Connection Standard	EN50549-1, VDE0126-1-1, VDE 4105, ABNT NBR 16149, ABNT NBR 16150, ABNT NBR 62116, RD1699, UNE 206006 IN, UNE 206007-1 IN, IEEE1547					
Safety EMC / Standard	UL 1741, IEC62109-1/-2, IEC61000-6-1, IEC61000-6-3, IEC61000-3-2, IEC61000-3-3					
Warranty	10 years					

Microinverter

SUN1300G3-US-220/EU-230 SUN1600G3-US-220/EU-230
SUN1800G3-US-220/EU-230 SUN2000G3-US-220/EU-230



- Support reactive power compensation
- 4 MPP trackers, module level monitoring
- Rapid shutdown function
- IP67 protection degree, 10 years warranty
- PLC, Zigbee or WIFI communication
- 13 Max. DC input current of 13A, adapt to 550W PV module

Technical Data

Model	SUN1300G3 -US-220	SUN1300G3 -EU-230	SUN1600G3 -US-220	SUN1600G3 -EU-230	SUN1800G3 -US-220	SUN1800G2 -EU-230	SUN2000G3 -US-220	SUN2000G2 -EU-230
Input Data (DC)								
Recommended input Power (STC)	210~400W (4 Pieces)		210~500W (4 Pieces)		210~500W (4 Pieces)		210~600W (4 Pieces)	
Maximum input DC Voltage	60V							
MPPT Voltage Range	25~55V							
Operating DC Voltage Range	20~60V							
Max. DC Short Circuit Current	4×19.5A							
Max. input Current	4×13A							
Number of MPPT / Strings per MPPT	4/1							
Output Data (AC)								
Rated output Power	1300W		1600W		1800W		2000W	
Rated output Current	5.9A	5.7A	7.3A	7A	8.2A	7.8A	9.1A	8.7A
Nominal Voltage / Range (this may vary with grid standards)	220V / 176-242V	230V / 184~265V	220V / 176-242V	230V / 184~265V	220V / 176-242V	230V / 184~265V	220V / 176-242V	230V / 184~265V
Nominal Frequency / Range	50 / 60Hz							
Extended Frequency / Range	45~55Hz / 55~65Hz							
Power Factor	>0.99							
Output Current Harmonic Distortion	<3%							
Maximum units per branch	4		4		3		3	
Efficiency								
CEC Weighted Efficiency	95%							
Peak Inverter Efficiency	96.5%							
Static MPPT Efficiency	99%							
Night Time Power Consumption	50mW							
Mechanical Data								
Ambient Temperature Range	-40~65°C							
Size (mm)	267W×300H×42.5D (Without mounting bracket and cable)							
Weight (kg)	5.2							
Cooling	Natural cooling							
Enclosure Environmental Rating	IP67							
Features								
Compatibility	Compatible with 60~72 cell PV modules							
Communication	Power line / WIFI / Zigbee							
Grid Connection Standard	EN50549-1, VDE0126-1-1, VDE 4105, ABNT NBR 16149, ABNT NBR 16150, ABNT NBR 62116, RD1699, UNE 206006 IN, UNE 206007-1 IN, IEEE1547							
Safety EMC / Standard	UL 1741, IEC62109-1/-2, IEC61000-6-1, IEC61000-6-3, IEC61000-3-2, IEC61000-3-3							
Warranty	10 years							