

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°C											
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											