

Microinverter

SUN300G3-US-220/EU-230
SUN500G3-US-220/EU-230



Microinverter

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			
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)	212W×229H×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			

 Support reactive power compensation

 Rapid shutdown function

 PLC, Zigbee or WIFI communication

 IP67 protection degree, 10 years warranty

 1 MPP tracker, module level monitoring