



## Three Phase Solar GTI

3 kW/4 kW/5 kW/6 kW/8 kW/10 kW/12 kW/15 kW



Max. efficiency up to 99.9%



Compact design, lightweight



Two MPPTs with 150% DC overload



RS485/Bluetooth, optional: Wi-Fi/Ethernet



Feed-in limitation function



Natural cooling, with fans-low noise

## SOLAR GRID TIED INVERTER

### Technology Data

Model No.	SUN03G5	SUN04G5	SUN05G5	SUN06G5	SUN07G5	SUN08G5	SUN09G5	SUN10G5	SUN12G5	SUN15G5	
<b>Input Data (DC)</b>											
Max. recommended PV power(for module STC)	4.5kW	6kW	7.5kW	9kW	10.5kW	12kW	13.5kW	15kW	18kW	22.5kW	
Max. DC Voltage	1100V										
Star-up Voltage	180V										
Nominal Voltage	600V										
MPPT Voltage Range	140-1000V										
No. of MPP Trackers	2										
No. of PV Strings Per MPP Tracker	1/1					1/2					
Max. input current per MPPT tracker	16A/16A					16A/32A					
<b>Output Data (AC)</b>											
AC Nominal Powerput Power	3kW	4kW	5kW	6kW	7kW	8kW	9kW	10kW	12kW	15kW	
Max. AC Apparent Power	3.3kVA	4.4kVA	5.5kVA	6.6kVA	7.7kVA	8.8kVA	9.9kVA	11kVA	13.2kVA	16.5kVA	
Nominal AC Voltage (range*)	230V/400V (340-440V)										
AC Grid Frequency (range*)	50/60 Hz (45-55Hz/55-65Hz)										
Max. Output Current (PF=09)	4.8A	6.4A	8.0A	9.6A	11.2A	12.8A	14.3A	15.9A	19.1A	23.9A	
Adjustable Power Factor	0.8 leading...0.8 lagging										
THDI	<3%										
AC Grid Connection Type	3L/N/PE or 3L/PE										
<b>Efficiency</b>											
Max. Efficiency	98.40%			98.50%			98.60%				
European Efficiency	97.50%			98.00%			98.10%				
MPPT Efficiency	99.90%			99.90%			99.90%				
<b>Protection Devices</b>											
Anti Reverse Power Function	Optional										
DC Reverse Polarity Protection	Yes										
DC Switch	Yes										
AC/DC Surge Protection	Type II										
Insulation Resistance Monitoring	Yes										
AC Short-circuit Protection	Yes										
Grid Monitoring	Yes										
Anti-islanding Protection	Yes										
Residual-current Monitoring Unit	Yes										
String Fault Monitoring Unit	/										
AFCI Protection	Optional										
<b>General Parameters</b>											
Noise	<35 dB										
Dimensions (WxHxD)	440 x 370 x 140 mm										
Weight	13 kg										
Operating Temperature Range	-25°C~+60°C (>45°C Derating)										
Relative Humidity	0-100%										
Altitude	4000m (2000m Derating)										
Self-consumption of Night	<1w										
Topology	Transformerless										
Cooling	Natural Cooling										
Protection Degree	IP66										
DC Connection	H4/MC4 (Optional)										
AC Connection	Connector										
Warranty	10 Years										
Display	LED/Touch										
Communication	Host: RS485 USB Optional: 4G/Wi-Fi										