



Single Phase Solar GTI

4.6kW/4.8kW/5kW/5.3kW/5.5kW/6kW



Power-Export limitation function



LCD Display



Wi-fi/GPRS/Lan Communication Optional



IP66 design & quick & easy to install

Model No.	SUN4600G5	SUN4800G5	SUN5000G5	SUN5300G5	SUN5500G5	SUN6000G5
Input Data (DC)						
Max DC power (W)	5750	6000	6250	6625	6875	7500
Max Allowable DC voltage (Vdc)/ Max DC voltage (Vdc)	550/550					
Min System start/Shut down voltage (Vdc)	50/100					
Max. input current (A)	22					
Number of MPP trackers/Total Nos. of Strings	1/1					
Input Terminal type	MC4					
Output Data (AC)						
Rated Output Power (W)	4600	4800	5000	5300	5500	6000
Maximum Output Power (VA)	4600	4800	5000	5300	5500	6000
Nominal Output Voltage/Range (V)	L/N/PE 240/180-310Vac					
AC Grid Frequency/Range (Hz)	50Hz/45Hz-55Hz					
Maximum Output Current (A)	19.1	20	20.8	22	23	25
AC Connection (With PE)	Single Phase					
Current Distortion (THDI)	<1.5%					
Power Factor	>0.99(Adjustable from 0.8 leading to 0.8 lagging)					
Efficiency						
Maximum Conversion Efficiency	97.8%	97.5%	97.5%	97.5%	97.6%	97.6%
European Efficiency	97.3%	97.3%	97.2%	97.2%	97.3%	97.3%
MPPT Efficiency	99.9%					
Safety						
DC Reverse-Polarity Protection	Yes					
Anti-Islanding/Overvoltage Protection	Yes					
Short Circuit Protection	Yes					
Leakage Current Protection	Yes					
Grid Monitoring/Ground Fault Monitoring	Yes					
DC/AC Side SPD(Thermally Protected)	Yes					
General Data						
Dimension (L/W/H)(Mm)	340/270/127					
Weight (Kg)	8 kg					
Embedded DC Switch	Optional					
Night Power Consumption (W)	<0.2					
Isolation Type	Transformerless					
Protection Degree	IP66 according to IEC60529					
Operation Temperature (°C)	-25~+60					
Cooling Concept	Natural Convection Fan Cooling (12000 RPM)					
Operating Altitude (M)	<2000m without power derating					
Acoustic Noise Level (DB)	35 db					
Display	Graphic LCD					
Communication Interface	Standard WIFI, RS485 (optional)					
Warranty	10 Years 25 years for optional					