

Residential Single Phase String Inverter

SUN SGS Series (3~5kW)

- >> IP65 level of protection
- >> 1.1 times overload capacity output
- >> Cloud remote monitor



High Reliability:

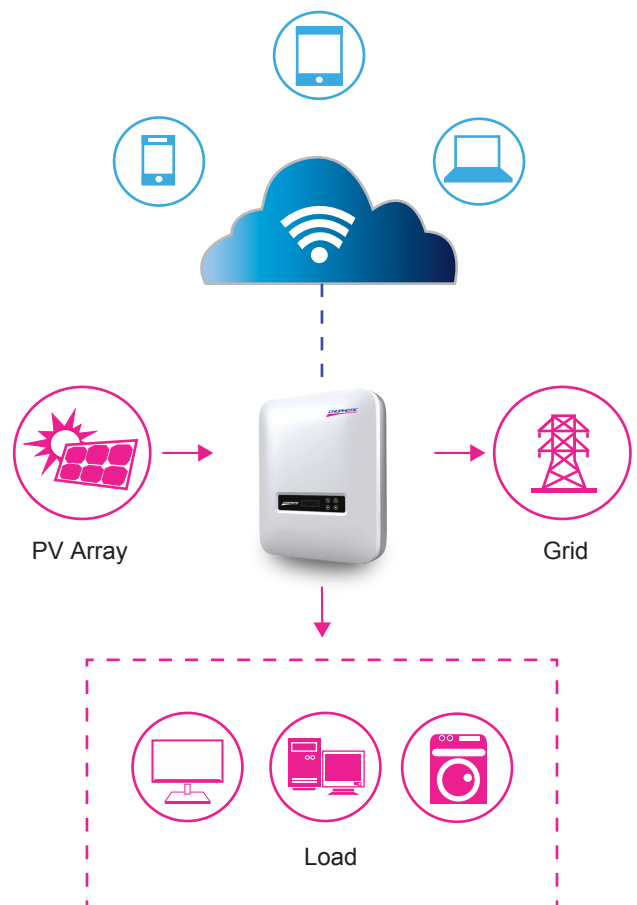
- >> IP65 level of protection, easy for installation
- >> Advanced control technology, strong adaptability to the power grid
- >> Natural convection and no cooling fan design
- >> Button free design to avoid wrong operation

Efficient and flexible:

- >> Wide DC voltage range and dual MPPTs
- >> Maximum efficiency up to 98.1%
- >> Active power adjustable continuously (0~100%)
- >> 1.1 times overload capacity output, increase the generated energy
- >> 2 independent MPPT

User Friendly:

- >> WIFI, GPRS monitoring - IOS and android APP available
- >> Small and light for easy installation
- >> Built-in smart control for green life



Technical Specification:

Items	SGS3K	SGS5K
Input		
Max.PV Power (W)	4	5.5
Max.DC Voltage (V)	600	
MPPT Number / String	2/2 (can be parallel)	
MPPT Voltage Range (V)	120~580	
Startup Voltage (Vdc)	100	
MPPT Efficiency	99.9%	
Output		
Nominal AC Power (kW)	3	5
Max. AC Power (kW)	3.3	5.5
Nominal AC Current (A)	13.6	22.7
Nominal AC Voltage (Vac)	220/230	
Grid Frequency Range (Hz)	47.5-52.5 or 57.5-62.5	
Nominal AC Frequency (Hz)	50/60	
THDi	<2% (Full load)	
Power Factor	>0.99@Default Value (±0.8)	
Grid Connection	Single phase(L-N, PE)	
Efficiency		
Max. efficiency	98.1%	
Euro Efficiency	97.5%	
General Data		
Mounting	Wall mounted	
Protection Degree	IP65	
Dimensions (WxHxD) (mm)	380x420x185 (480x420x185 Hybrid Optional)	
Weight(kg)	14 (24kg Hybrid Optional)	
Topology	Transformerless	
Cooling	Natural Cooling	
Relative Humidity	0~100%, non condensation	
Ambient Temperature	-25°C~+60°C	
Max. Operating Altitude	0~3000m	
Communication	RS485(Modbus) / WiFi / DRM	
On-grid Standard	G83/2; G59/3; EN50438; CEI 0-21; AS4777.2:2015	
Safety	IEC62109-1, IEC62109-2, AS62040-1-1	
Protection	Anti-islanding protection, LVRT, DC reverse connection protection, AC short circuit protection, leakage current protection, DC switch, DC fuse, overcurrent protection, PV fault detect, DC lightning protection, AC lightning protection, over temperature alarm/protection	

*Product specification are subject to change without further notice.

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บริษัท ชูปัทิก จำกัด

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