

# 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:

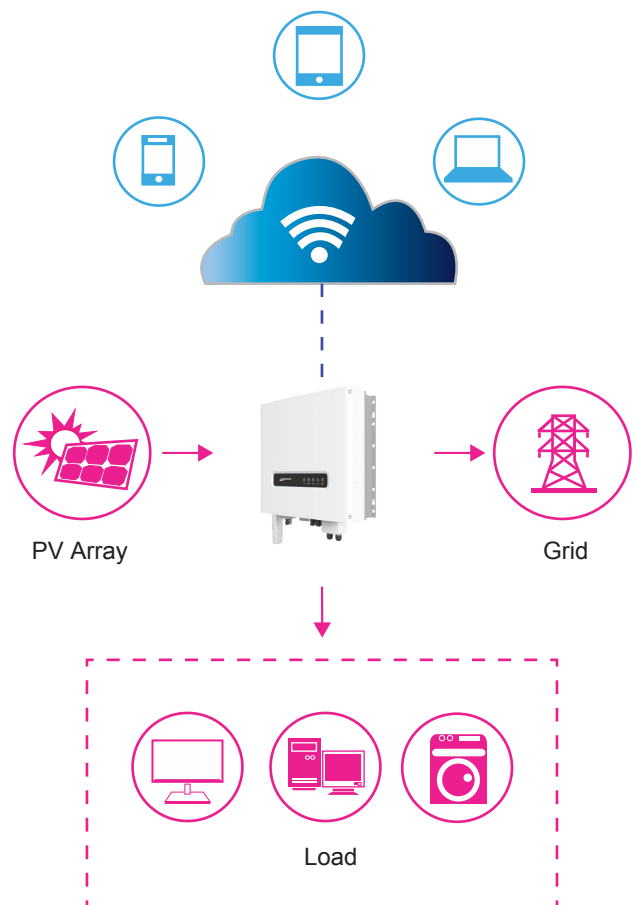
- >> IP65 level of protection, easy for installation
- >> Advanced control technology, strong adaptability to the power grid
- >> Natural convection and no cooling fan design
- >> Button free design to avoid wrong operation

### 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
<b>Input</b>		
Max.PV Power (W)	4	5.8
Max.DC Voltage (V)	600	
No. of DC Connectors	2	
MPPT Voltage Range (V)	120~580	
Startup Voltage (Vdc)	100	
MPPT Efficiency	99.9%	
<b>Output</b>		
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	
Nominal AC Frequency (Hz)	50/60	
THDi	<3%	
Power Factor	>0.99@Default Value (±0.8)	
Grid Connection	Single phase(L-N, PE)	
<b>Efficiency</b>		
Max. efficiency	98.1%	
Euro Efficiency	97.5%	
<b>General Data</b>		
Mounting	Wall bracket	
Protection Degree	IP65	
Dimensions (WxHxD) (mm)	380x420x185	
Weight(kg)	14	
Topology	Transformerless	
Cooling	Natural Convection	
Relative Humidity	0~95%, without condensation	
Ambient Temperature	-25°C~+60°C	
Max. Operating Altitude	4000m(>3000m derating)	
Communication	RS485(WiFi, GPRS alternative)	
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 ชูโฟติก จำกัด**

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