

Wherever there is **SUN**,
there is **SUNGEN**



SG-HN-GG Series 95W/100W/105W

SUNGEN Amorphous Silicon Solar Modules

Product Features

- High performance and energy yield photovoltaic modules made of amorphous silicon
- Integrated bypass diode in the junction box reduces the power loss effect in a string caused by events such as shading
- PVB film with high quality TCO glass
- Module is glass to glass laminated
- Water-protected connector system
- Easy for installation

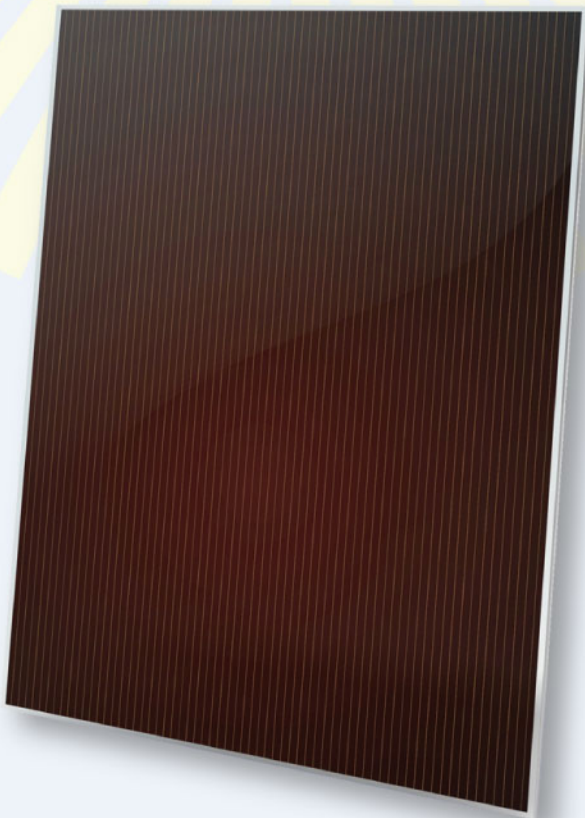
Quality and Safety

- Product warranty: Free from defects in material and workmanship for 10 years
- Power warranty: Maintain more than 90% minimum rated power for 10 years and 80% minimum rated power for 25 years
- EN/IEC 61646 certified
- EN/IEC 61730 certified
- UL1703 certified

Applications

- On-grid PV Systems
- Off-grid PV Systems
- Residential Roof Top Systems
- Commercial Roof Top Systems
- Ground Installations

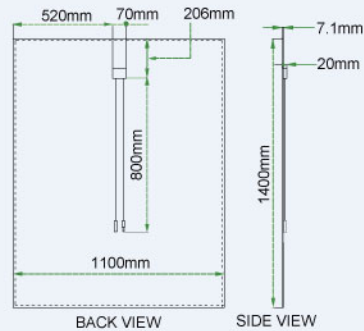
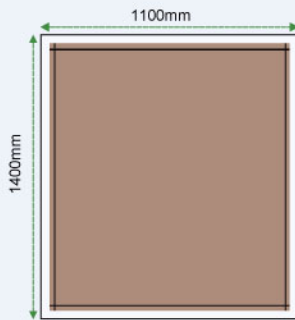
(Please read the SUNGEN installation guide book for the step-by-step installation guidelines.)





TRUE ECO-NOMY

SUNGEN Amorphous Silicon Solar Modules

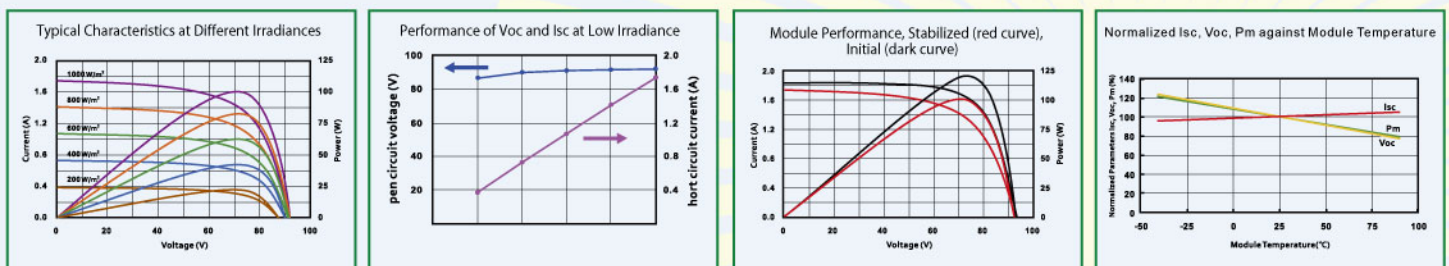


Specifications

Model	SG-HN95-GG	SG-HN100-GG	SG-HN105-GG
Maximum power (Pmax)	95W	100W	105W
Open- circuit voltage (Voc)	92.0V	92.0V	92.5V
Short- circuit current (Isc)	1.67A	1.74A	1.81A
Voltage at maximum power (Vpmax)	70.0V	70.5V	71.0V
Current at maximum power (Ipmax)	1.35A	1.42A	1.48A
Temperature coefficient-open circuit voltage (β)		-0.36%/K	
Temperature coefficient-short circuit current (α)		0.13%/K	
Temperature coefficient-power (γ)		-0.268%/K	
Cell		a-Si single junction	
Dimensions	1400mm × 1100mm × 7.1mm (55.1 inches × 43.3 inches × 0.3 inches)		
Weight	26.0Kg (57.3 lbs)		
Frame	None		
Front glass	3.2mm thickness		
Back glass	3.2mm thickness		
Junction box type	Multi-Contact Type 4 compliant		
Maximum system voltage	1000VDC (TÜV-EN/IEC61646) / 600VDC(UL)		
Maximum mechanical load	Snow load: 5400Pa(IEC Standard) ; Wind load: 2400Pa(IEC Standard)		
Series fuse rating	3A		
Fire rating	Class C		
Nominal Operating Cell Temperature (NOCT)	40.28°C (104.50°F)		
Operating temperature (cell)	-40°C to +85°C (-40°F to +185°F)		
Storage temperature	-40°C to +85°C (-40°F to +185°F)		
Storage air humidity	<85% relative humidity		

The electrical data applied under standard test conditions (STC): irradiance of 1000 W/m² with an AM1.5 spectrum at a cell temperature of 25°C. The power output is subject to a manufacturing tolerance of ±3%; Electrical parameter tolerance ±10%.

Characteristic Curves(SG-HN100-GG)



Design and specifications are subject to change without notice.

SUNGEN INTERNATIONAL LIMITED

Add: Units 1-7,6/F, Metro Loft, 38 Kwai Hei Street, Kwai Chung, N.T., Hong Kong
Tel: +852.3583.5286 Fax: +852.3106.2801 Email: GreenEnergy@SUNGEN.com

WWW.SUNGEN.COM

