

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



SG-HN-GGLV 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

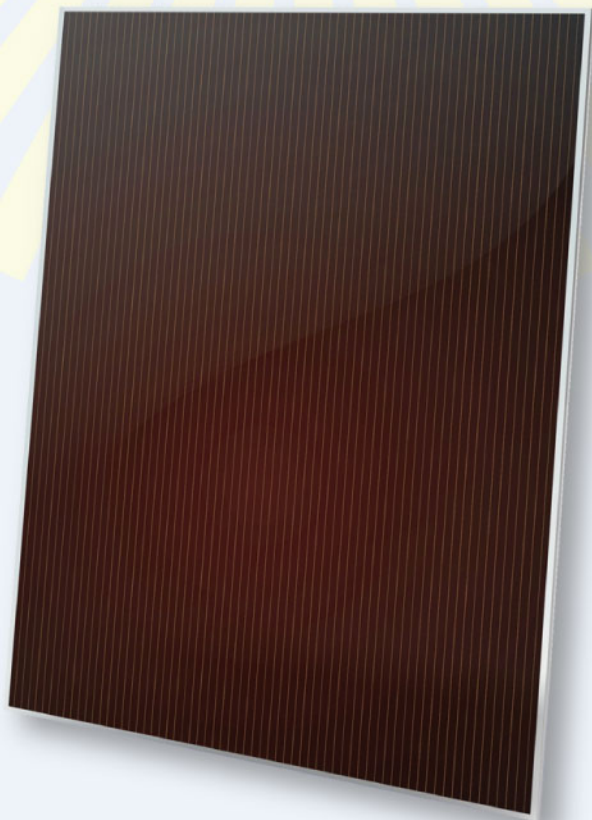
Quality and Safety

- 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

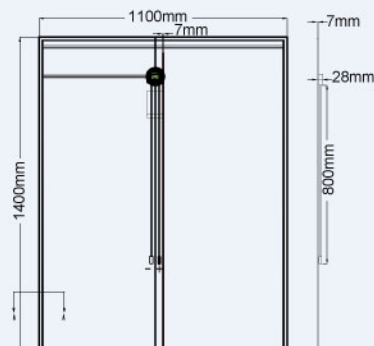
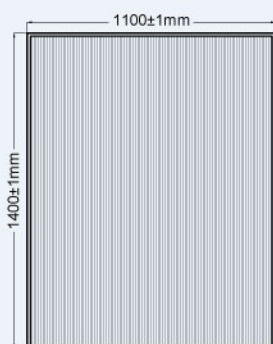
Applications

- 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.)



SUNGEN Amorphous Silicon Solar Modules

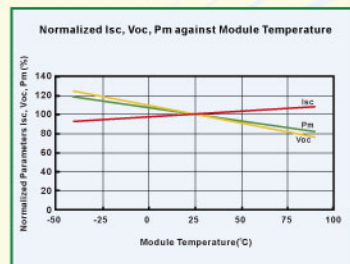
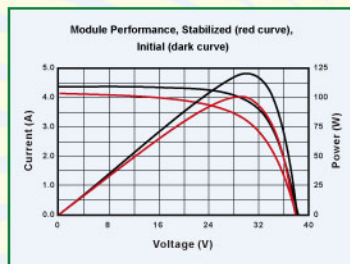
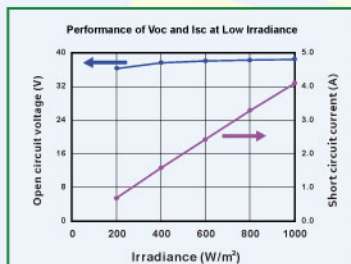
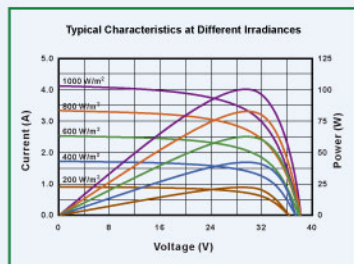


Specifications

Model	SG-HN95-GGLV	SG-HN100-GGLV	SG-HN105-GGLV
Maximum power (Pmax)	95W	100W	105W
Open- circuit voltage (Voc)	38.6V	38.6V	38.8V
Short- circuit current (Isc)	4.02A	4.13A	4.30A
Voltage at maximum power (Vpmax)	29.5V	29.9V	30.2V
Current at maximum power (Ipmax)	3.22A	3.35A	3.48A
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 × 7mm (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	6.5A		
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-GGLV)



Design and specifications are subject to change without notice.