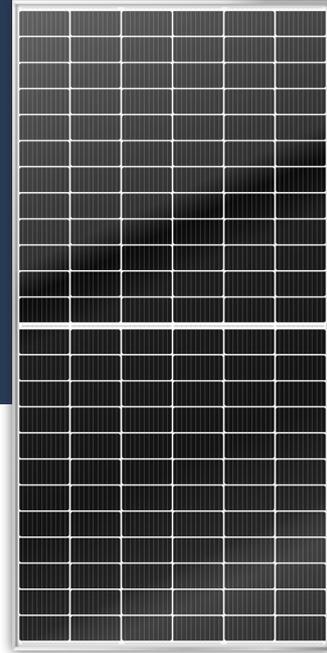


# 560W

## PERC High efficiency

### Bifacial Solar Panel

SGP-560-SBD



Bifacial technology allows for the harvesting of up to an additional 25% energy from the rear side of the module.



Excellent low irradiance performance.



Enhanced light trapping and optimized current collection contribute to the improvement of both module power output and reliability.



Industry leading lowest thermal coefficient of power..



Design optimized for lower operating current, resulting in minimized hot spot loss and improved temperature coefficient.

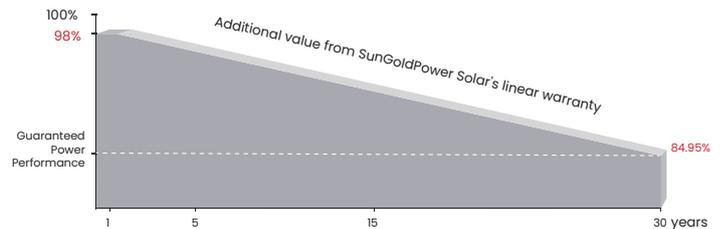


Certified to withstand: wind load (2400 Pa) and snow load (5400 Pa).



100% triple EL test enables remarkable reduction of module hidden crack rate.

## LINEAR PERFORMANCE WARRANTY



**12** years

Product quality & process guarantee

**25** years

Linear power guarantee

**0.45** %

Annual degradation Over 30 years

## COMPREHENSIVE CERTIFICATES



**UL61730 Certified by ETL,CEC Listed**

Quality Management System

**ISO 9001:** Environmental Management System Standard

**ISO 14001:** International Occupational Health and Safety

**ISO 45001:** Assessment System Standard

**2x72** cells

**ELECTRIC CHARACTERISTICS**

Model of modules	SGP-560-SBD	
	STC	NMOT
Peak power - $P_{mp}$ (W)	560	417
Open circuit voltage - $V_{oc}$ (V)	49.76	46.97
Short circuit current - $I_{sc}$ (A)	14.25	11.51
MPP voltage - $V_{mp}$ (V)	40.95	38.33
MPP current - $I_{mp}$ (A)	13.68	10.89
Module efficiency - $\eta_m$ (%)	21.7	

**STC** (Standard Testing Conditions): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25 °C, Spectra at AM1.5

**NMOT** (Nominal Module Operating Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

**ELECTRICAL CHARACTERISTICS WITH DIFFERENT POWER BIN (REFERENCE TO 13.5% IRRADIANCE RATIO)**

Peak power - $P_{mp}$ (W)	613
Open circuit voltage - $V_{oc}$ (V)	49.76
Short circuit current - $I_{sc}$ (A)	15.60
MPP voltage - $V_{mp}$ (V)	40.95
MPP current - $I_{mp}$ (A)	14.97
Irradiance ratio (rear/front)	13.5 %

**STRUCTURAL CHARACTERISTICS**

Module dimension (L*W*H)	89.69 x 44.65 x 1.38 inch (2278 x 1134 x 35 mm)
Weight	68.78 lbs (31.2 kg)
Number of cells	144 cells
Cell	PERC monocrystalline (M10)
Glass	(F)2.0mm, Anti-Reflection Coating (B)2.0mm, Heat Strengthened Glass
Frame	Anodized aluminum alloy
Junction box	IP68
Output wire	4.0 mm <sup>2</sup>
Wire length (Including Connector)	(+): 400 mm, (-): 200 mm or Customized Length
Connector	MC4 - EVO2
Packing specification	31 pcs/Pallet; 558 pcs/40'HQ

**OPERATING PARAMETERS**

Power tolerance (W)	(0,+5)
Maximum system voltage (V)	1500
Maximum rated fuse current (A)	30
Current operating temperature (°C)	-40~+185 °F (-40~+85 °C)
Bifaciality	70±5 %

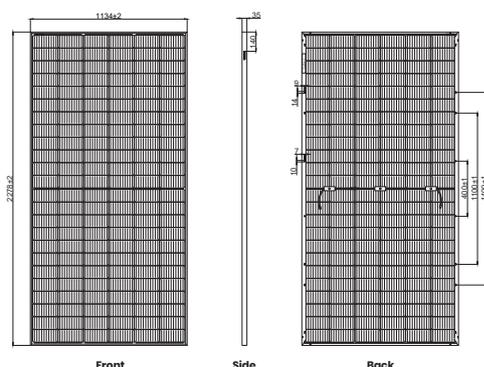
**MECHANICAL LOADING**

Front side maximum static loading (Pa)	5400
Rear side maximum static loading (Pa)	2400
Hailstone test (mm)	40

**TEMPERATURE RATINGS**

Temperature coefficient ( $P_{max}$ )	-0.33 %/K
Temperature coefficient ( $V_{oc}$ )	-0.26 %/K
Temperature coefficient ( $I_{sc}$ )	+0.06 %/K
Nominal Module Operating Temperature	109.4±35.6 °F (43±2 °C)

**MODULE DIMENSIONS (MM)**



\* The unmarked tolerance is ±1 mm  
Length shown in mm

