



# Rigid

## RIGID SOLAR PANEL

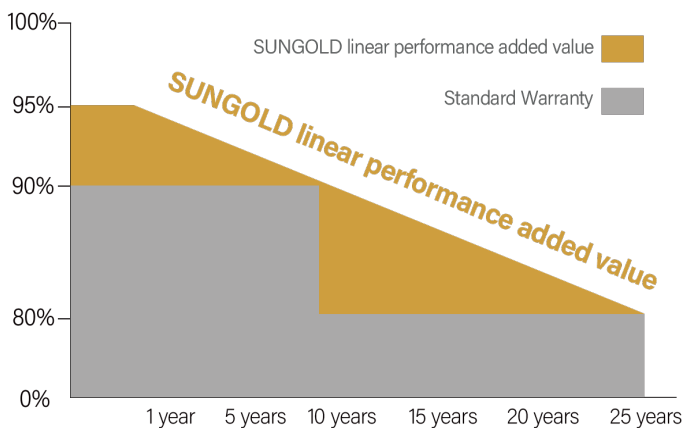
SGM2-65W/90W/100W/120W/135W



# Solar Panel

### Product introduction

On the 182 mm single solar cell, the unique front, and back electrode pattern design improves the mechanical load of the module and reduces the fragmentation rate in the production of the module; combined with the excellent anti-PID performance, it ensures the stability of the power generation of the module, effectively The conversion efficiency of the module is improved.



### Features

#### Higher Energy Yield



- Outstanding performance at low irradiance
- Improved energy production through reduced cell series resistance

#### Increased System Reliability



- Enhanced system performance stability with PID resistant technology
- Enhanced system reliability in extreme temperature environment with special cell level stress release technology

#### Extra Value To Customers



- Stronger 40mm robust frame to hold 5400 Pa load
- Salt mist, ammonia and blowing sand resistance apply to seaside, farm and desert environment

10  
years

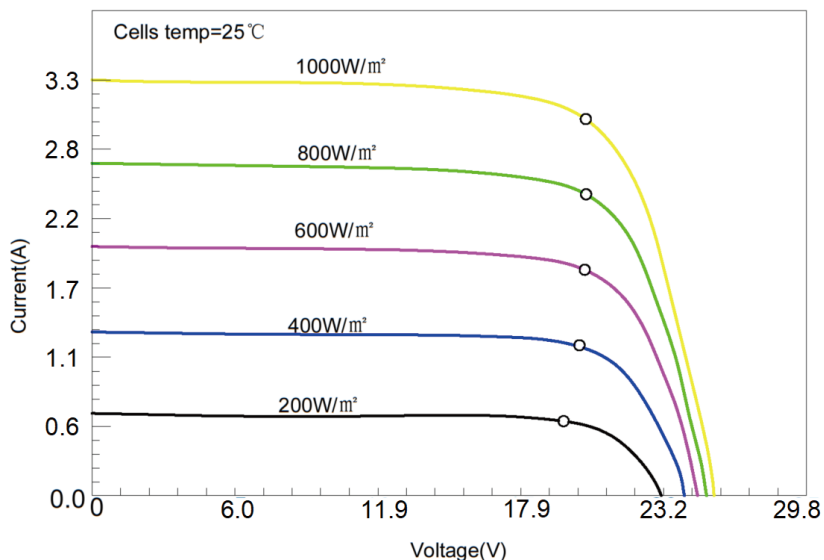
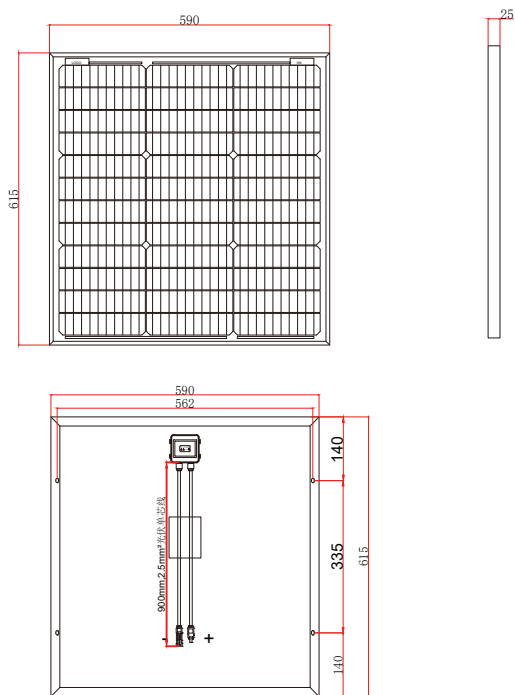
Guarantee on product material and workmanship

25  
years

Linear power output warranty



## Module Diagram (SGM2-65W)



## Product certification

CE RoHS



## Mechanical Specifications

Solar Cells	Monocrystalline
Front Glass	3.2mm thickness Tempered Glass
Frame	Anodized aluminium alloy
Waterproof junction box	IP65
Connectors	MC4
Back sheet	PET

## Electrical Characteristics

Model	SGM2-65W	SGM2-90W	SGM2-100W	SGM2-120W	SGM2-135W
Maximum power(Pmax)	65W	90W	100W	120W	135W
Open-circuit voltage(Voc)	24.6V	24.6V	28.8V	22.6V	24.6V
Voltage at Pmax(Vmp)	21.2V	21.2V	24.8V	19.5V	21.2V
Short-circuit current(Isc)	3.25A	4.51A	4.27A	6.52A	6.75A
Current at Pmax(Imp)	3.07A	4.25A	4.03A	6.15A	6.37A
Module dimension	615*590*25mm	800*590*30mm	925*590*30mm	1070*590*35mm	1165*590*35mm
No. of cells and connections	36(3*12)	36(3*12)	42(3*14)	33(3*11)	36(3*12)
The maximum system voltage	1000V DC(IEC)				
Cells efficiency(%)	22.70				
Power temperature coefficient (%/K)	-0.42				
Voltage temperature coefficient (mV/K)	-0.32				
Current temperature coefficient (mA/K)	0.04				
Output power tolerance	±3%				

\*SUNGOLD offer customize service, please refer to our website or ask SUNGOLD workers for more sizes and the latest parameters.