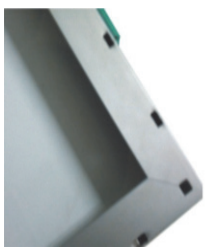




**Dimensions: 1909\*1134\*35mm**  
**Mono Power: 450W**

### Characteristics

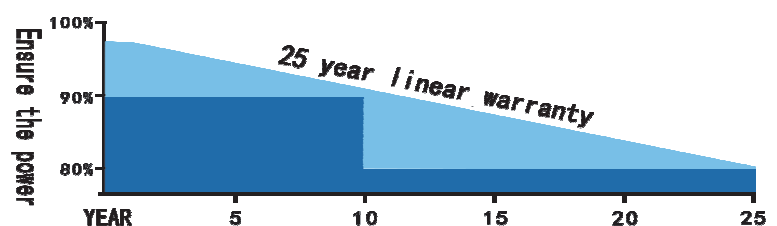
- High efficiency solar cell to keep the modules efficiency reach to 20.79%.
- Positive tolerance to ensure higher output.
- Excellent performance under weak light conditions.
- Modules withstand extremely (temperature, load and impact) TUV certification.
- All modules combination and packing through stepping current to keep effectively reduce mismatch loss.
- 100% EL test to keep higher quality.



Anodized aluminum frame withstand corrosion and damage, Special osculum can reduce destruction by water freeze.

### Warranty

- 25 years Linear Product Workmanship Warranty.
- 10 years workmanship warranty.



### Quality and safety

- ISO9001:2015 certified supplier, we provide world first class solar products for clients.
- TUV,IEC,CEC,CE,CB CA 92618 approved.



IP68 junction box long-term weather endurance.

ISO 9001 ISO 14001



## Electrical Characteristics

|                             |           |
|-----------------------------|-----------|
| Model No.                   | SG450WM   |
| Maximum Power (Pmax)        | 450W      |
| Max-power Voltage (Vmp)     | 34.2V     |
| Max-power Current (Imp)     | 13.16A    |
| Open-circuit Voltage (Voc)  | 41.72V    |
| Short-circuit Current (Isc) | 13.82A    |
| Module Efficiency           | 20.79%    |
| Operating Temperature       | -40℃~+85℃ |
| Maximum System Voltage      | 1500Vdc   |
| Maximum Series Fuse Rating  | 20A       |
| Power Tolerance             | ±3%       |

\*STC condition: 1000 W/m<sup>2</sup>, 1.5AM and 25℃ cell temperature.

## Temperature Characteristics

|                                  |          |
|----------------------------------|----------|
| NMOT                             | 46℃±2℃   |
| Temperature Co-efficient of Pmax | -0.39%/℃ |
| Temperature Co-efficient of Voc  | -0.34%/℃ |
| Temperature Co-efficient of Isc  | 0.06%/℃  |

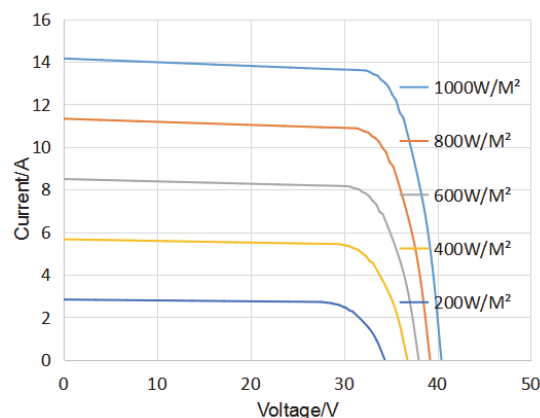
## Mechanical Characteristics

|                  |                                                 |
|------------------|-------------------------------------------------|
| Mono Power       | 450W                                            |
| Cell Type        | Mono 182*91mm                                   |
| Cell Arrangement | 120(6*20)                                       |
| Dimensions       | 1909*1134*35mm                                  |
| Weight           | 24.5kg                                          |
| Front Cover      | 3.2mm tempered glass                            |
| Frame Material   | Anodized aluminium alloy                        |
| Junction Box     | IP68 rated                                      |
| Output Cables    | 4mm <sup>2</sup> , Length: (+) 300mm/ (-) 300mm |

## Packing

|                  |       |
|------------------|-------|
| Packing          | 40'HC |
| Pieces/Pallet    | 32    |
| Pieces/container | 720   |

## I-V Curve



## Dimensions

