

**Mono Power: 415W**  
**Dimensions: 1722\*1134\*35mm**



**Characteristics**

- High efficiency solar cell to keep the modules efficiency reach to 21%.
- 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.



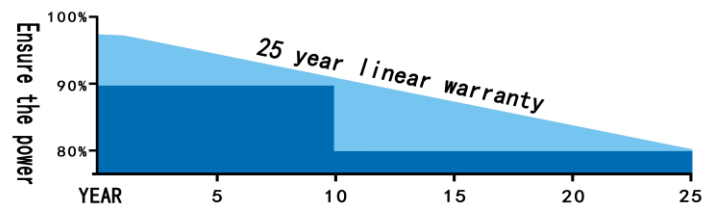
Anodized aluminum frame withstand corrosion and damage, Special osculum can reduce destruction by water freeze.



IP68 junction box long-term weather endurance.

**Warranty**

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



**Quality and safety**

- ISO9001:2015、ISO14001:2015、ISO45001:2018 certified supplier, we provide world first class solar products for clients.
- TUV,IEC,CEC,CE,CB approved.

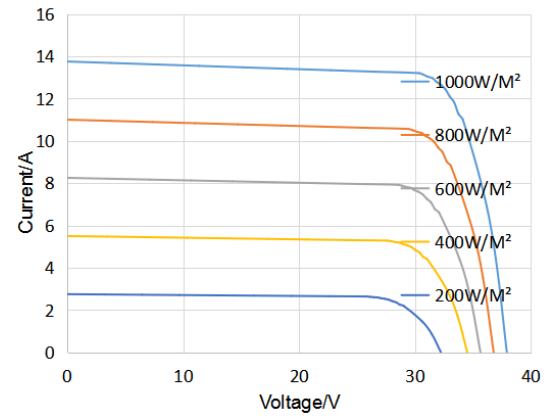


### Electrical Characteristics

Model No.	SG-415WM
Maximum Power (Pmax)	415W
Max-power Voltage (Vmp)	31.6V
Max-power Current (Imp)	13.13A
Open-circuit Voltage (Voc)	37.50V
Short-circuit Current (Isc)	14.02A
Module Efficiency	21.3%
Operating Temperature	-40 ℉ to 185 ℉ -40℃ ~+85℃
Maximum System Voltage	1500Vdc
Maximum Series Fuse Rating	25A
Power Tolerance	±3%

\*STC condition: 1000 W/m², 1.5AM and 25℃ cell temperature.

### I-V Curve



### Temperature Characteristics

NMOT	44℃ ±2℃
Temperature Co-efficient of Pmax	-0.38%/℃
Temperature Co-efficient of Voc	-0.35%/℃
Temperature Co-efficient of Isc	0.06%/℃

### Mechanical Characteristics

Mono Power	415W
Cell Type	Mono 182*91mm
Cell Arrangement	108(6*18)
Dimensions	67.8*44.6*1.4inch(1722*1134*35mm)
Weight	45.8lb(20.8kg)
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
Junction Box	IP68 rated
Output Cables	4mm², Length: (+) 300mm/ (-) 300mm

### Packing

Packing	40HC
Pieces/Pallet	30
Pieces/container	780

### Dimensions

