

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



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



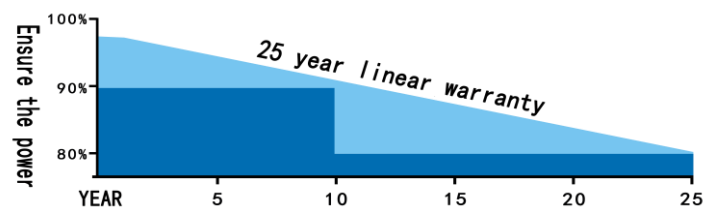
IP68 junction box long-term weather endurance.

## Characteristics

- High efficiency solar cell to keep the modules efficiency reach to 21.25%.
- 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.

## Warranty

- 5 year 95% output warranty, 10 year 90% output warranty, 25 year 80% output warranty.
- 12 years material and 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 CA 92618 approved.
- UL61730, CEC Listed.

ISO 9001 ISO 14001

SGS TÜV SAA R  
 ELC 01215  
 ELC 01215  
 Periodical Inspection

IEC

CB

Green Energy Council

CE

UL

MONOCRYSTALLINE SOLAR MODULES

## Electrical Characteristics

Model No.	SG415WM
Maximum Power (Pmax)	415W
Max-power Voltage (Vmp)	31.11V
Max-power Current (Imp)	13.34A
Open-circuit Voltage (Voc)	38.32V
Short-circuit Current (Isc)	14.09A
Module Efficiency	21.3%
Operating Temperature	-40 ℉ to 185 ℉ -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	45℃±2℃
Temperature Co-efficient of Pmax	-0.35%/℃
Temperature Co-efficient of Voc	-0.27%/℃
Temperature Co-efficient of Isc	0.048%/℃

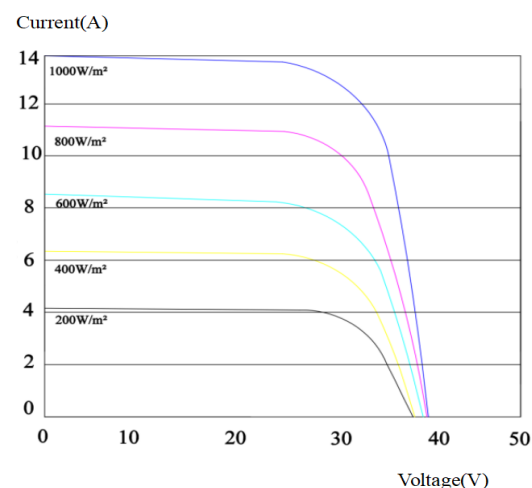
## Mechanical Characteristics

Mono Power	415W
Cell Type	Mono 182*91mm
Cell Arrangement	108(6*18)
Dimensions	67.80*44.65*1.38inch(1722*1134*35mm)
Weight	48.06lb
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	40HC
Pieces/Pallet	32
Pieces/container	780

## I-V Curve



## Dimensions

