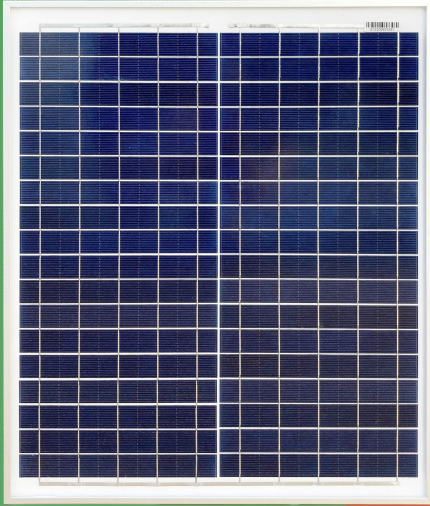




# Polycrystalline Module

Dimensions : 340\*425\*17mm

Poly Power : 18W~20W



**20W**

Max power output

**13.84%**

Max Efficiency

**±3%**

Positive Power Tolerance

## SUNWORTH - Your Trusted Brand of High Quality

- Professional crystalline silicon photovoltaic module manufacturer.
- Fully automated production line with leading photovoltaic technology.
- Adopt strict international standard quality management system ISO 9001:2015, ISO14001: 2015.
- Passed variety of harsh environmental tests (salt spray, ammonia and sand storm corrosion test IEC61730-2:2016, IEC61215:2016).
- Twice EL test to ensure the reliability of the solar modules.



### 5 Bus Bar Solar Cells

5 BB solar cells, improve the modules' efficiency ,and contributed a better aesthetic appearance



### High Efficiency

High efficiency solar cells to keep the module efficiency reach to 13.84%



### Low-light Performance

Advanced glass and cell surface textured design ensure excellent performance in low-light environment



### PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for mass production



### Severe Weather Resilience

2400 Pa wind load  
5400 Pa snow load



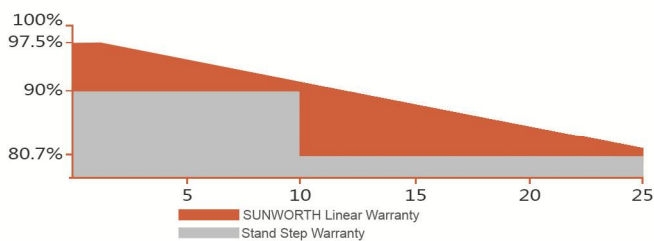
### 100% EL Testing

100% EL detection before and after lamination

## Linear Performance Warranty

10 years Product Warranty

25 years Linear Power Warranty



**Dimensions: 340\*425\*17mm**  
**Poly Power: 18W~20W**

### Electrical Characteristics

Model No.	SW020P-36
Maximum Power (Pmax)	20W
Max-power Voltage (Vmp)	19.29V
Max-power Current (Imp)	1.04A
Open-circuit Voltage (Voc)	23.76V
Short-circuit Current (Isc)	1.08A
Module Efficiency	13.84%
Operating Temperature	-40°C~+85°C
Maximum System Voltage	300Vdc
Maximum Series Fuse Rating	5A
Power Tolerance	±3%

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

### Temperature Characteristics

NMOT	46°C±2°C
Temperature Co-efficient of Pmax	-0.398%/°C
Temperature Co-efficient of Voc	-0.340%/°C
Temperature Co-efficient of Isc	0.0576%/°C

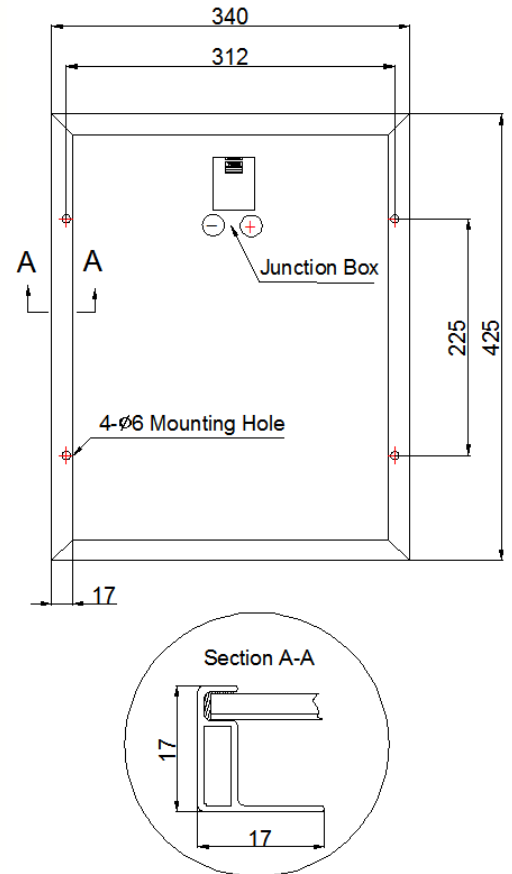
### Mechanical Characteristics

Mono Power	18W~20W
Cell Type	Poly 78.5*39.25mm
Cell Arrangement	36(4*9)
Dimensions	425*340*17mm
Weight	1.3kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
Junction Box	IP65 rated
Output Cables	/

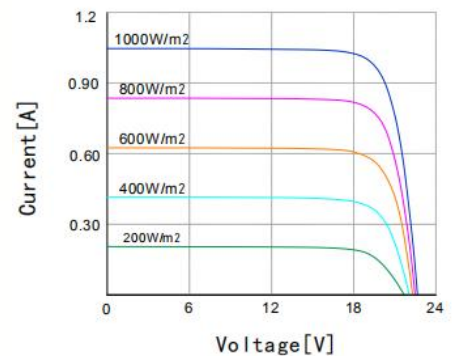
### Packing

Packing	20'GP	40'HC
Pieces per Carton	15	15
Pieces/container	6000	13200

### Module Size



### I-V Curve



SUNWORTH solar modules have superior performance under low solar irradiation condition ( 200W/m<sup>2</sup> (AM1.5, 25 °C)

Website: [www.sunworthsolar.com](http://www.sunworthsolar.com)