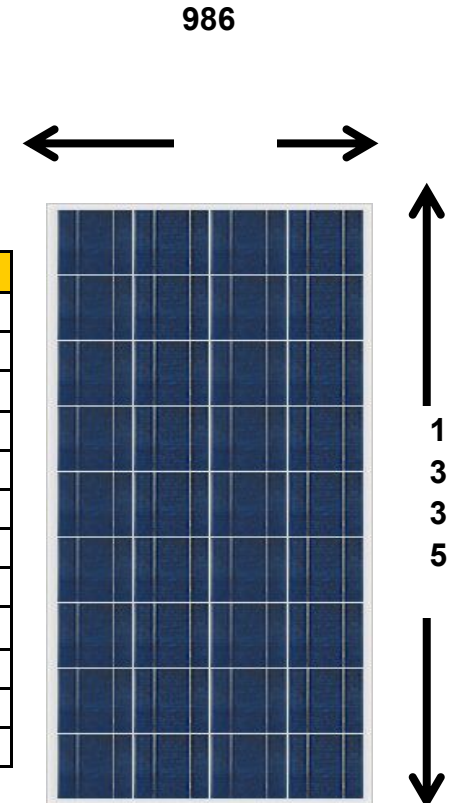




## SPECIFICATION OF 180W,190W,200W POLY SOLAR MODULE

### PRODUCT SPECIFICATION

Type Of Module	AE-P180	AE-P190	AE-P200
Maximum Power (W) 功率	180	190	200
Tolerance (%) 正负公差	± 3%	± 3%	± 3%
Open Circuit Voltage (V) 开路电压	21.96	21.96	21.96
Maximum Power Voltage (V) 工作电压	17.57	17.57	17.57
Maximum Power Current (A) 工作电流	10.24	10.81	11.38
Short Circuit Current (A) 短路电流	12.3	13	13.7
Module Efficiency (%) 组件转换率	13.7	14.8	15.2
Solar Cell Efficiency (%) 电池片转换率	15.4	16.3	17.1
Series Fuse Rating (A) 保险丝等级	15	15	15
Terminal Box 接线盒防水等级	IP65	IP65	IP65
Maximum system voltage (V) 系统耐压	DC1000	DC1000	DC1000
Operating Temperature(°C) 工作温度范围	-40°C ---85°C	-40°C ---85°C	-40°C ---85°C



### PRODUCT FEATURE

- Bypass diode minimizes the power drop by shade.
- The conversion efficiency of solar cell is above 15.4%.
- White tempered glass ,EVA resin,weather proof film and anodized aluminum frame to provide efficient protection from the severest environmental conditions.
- Waterproof.Perfect for grid applications.

### Quality Assurance

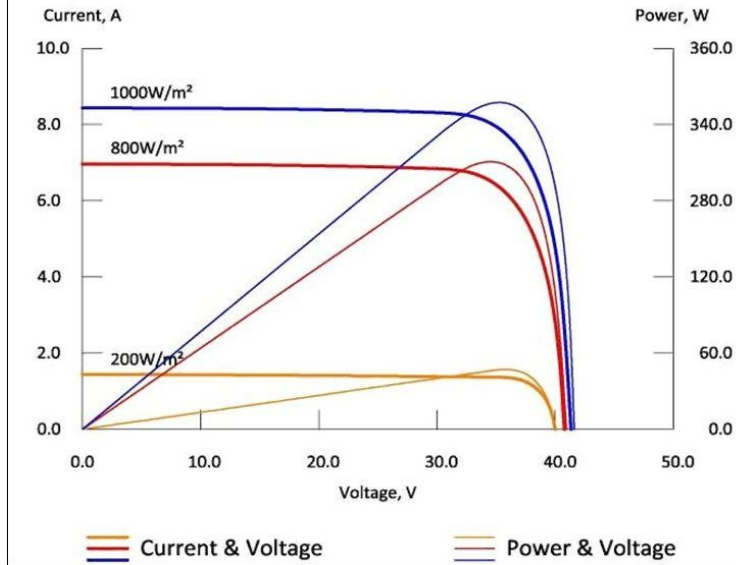
- Electrical Insulation test
- Outdoor exposure test
- Hot-spot endurance test
- UV-exposure
- Thermal cycling test
- Humidity freeze test
- Damp heat Test
- Robustness of terminations test
- Wet leakage current test
- Mechanical load test
- Hail impact test
- Bypass diode thermal test

- Product guarantee 5 years.



## Electrical Characteristics

Current-Voltage & Power-Voltage characteristics various irradiance levels



## Electric Performance Typical Performance Characteristics

Short Circuit Current Temperature Coefficient	mA/C	+2.5
Open Circuit Voltage Temperature Coefficient	V/C	-0.147
Maximum Power Temperature Coefficient	%/C	-0.4
Performance Warranty : 90%output , 12 years 80%output. 25 years		

## Physical Specifications

Dimension: 1335\*986\*35\*30mm

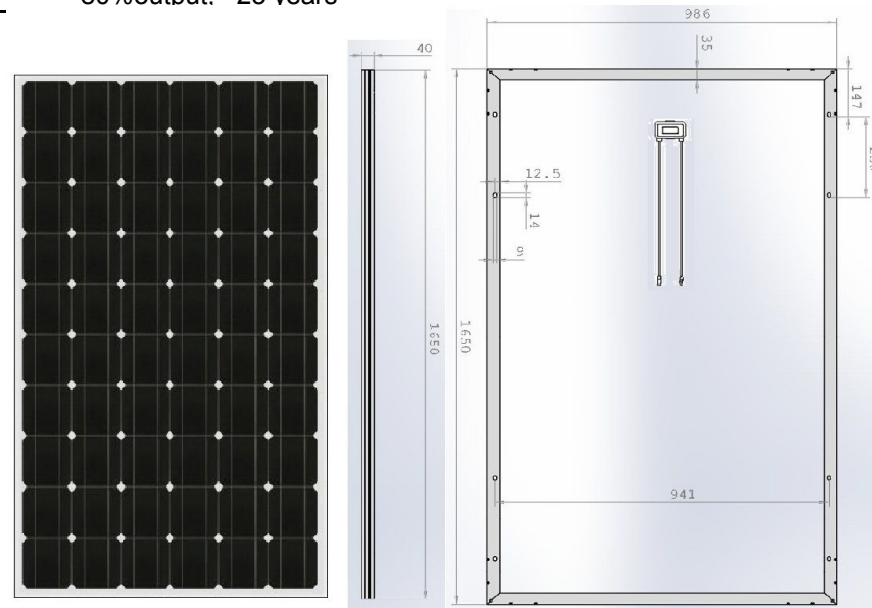
Weight: 15KG/PCS

Packing : 2pcs in one carton

### Loading Capacity:

350pcs/ 20'Container

780 pcs/ 40' Container



## ATONE NEW ENERGY LIMITED

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