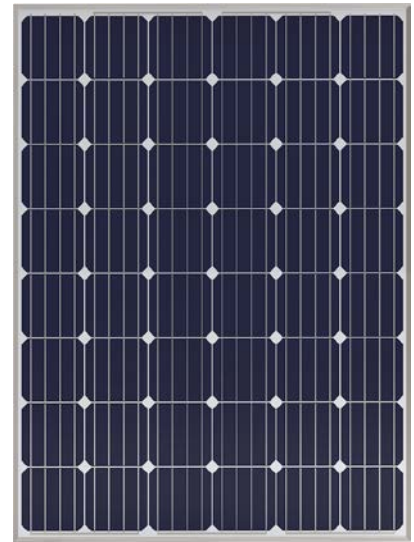


## PRODUCT SPECIFICATION

Type Of Module	SY-220WM	SY-225WM	SY-230WM
Maximum Power (W)	220	225	230
Tolerance (%)	± 3%	± 3%	± 3%
Open Circuit Voltage (V)	30.4	30.5	30.6
Short Circuit Current (A)	9.28	9.45	9.63
Maximum Power Voltage (V)	25.2	25.3	25.4
Maximum Power Current (A)	8.73	8.89	9.06
Module Efficiency (%)	16.8	17.2	17.6
Solar Cell Efficiency (%)	19.2	19.6	20
Series Fuse Rating (A)	15	15	15
Terminal Box	IP65	IP65	IP65
Maximum system voltage (V)	DC1000	DC1000	DC1000
Operating Temperature(°C)	-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 19.0%.
- 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.
- Product guarantee 10 years.

## 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

## Electric Performance Typical Performance Characteristics

Short Circuit Current Temperature Coefficient	%/°C	0.06
Open Circuit Voltage Temperature Coefficient	%/°C	-0.34
Maximum Power Temperature Coefficient	%/°C	-0.47
Performance Warranty : 90%output , 12 years		
80%output , 25 years		

## Physical Specifications

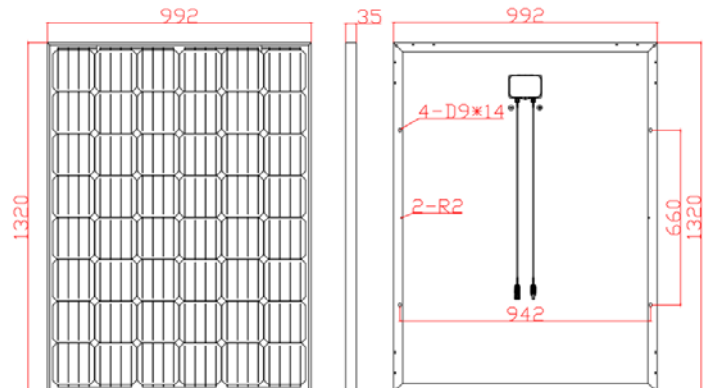
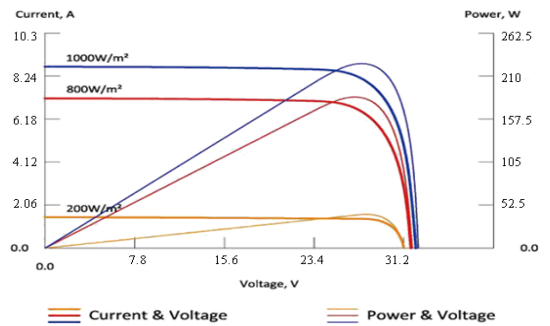
Dimension: 1320\*992\*35MM

Weight: 13.4KG/PCS

Packing : 2 pcs in one carton

## Electrical Characteristics

Current-Voltage & Power-Voltage characteristics various irradiance levels



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