



Worldwide Energy and Manufacturing USA, Inc.

AS-5M Amerisolar

Amerisolar's photovoltaic modules are designed for large electrical power requirements. With a 25 year warranty, AS-5M offers high-powered, reliable performance for solar projects, both on- and off-grid.

- Solar Cell: High efficiency solar cells ensure high performance of solar module and create maximum power output.
- Low iron tempered glass: Anti-reflecting coating and high transmission rate glass increase the power output and mechanical strength of solar module.
- Aluminum frame: Without screw, corner connection. 10 holes on the frame can be installed easily.
- Superior Junction box: Multi function junction box with water proof capabilities.
- Long lifespan: ≥ 25Years.
- Tolerance: $\pm 3\%$.
- Good performance of preventing from atrocious weather such as wind and hails.
- Resisting moisture and etching effectively, not effect by geology.
- The certificate issued by international authority: CE, TUV, IEC, UL, MCS and Korea Certificate.

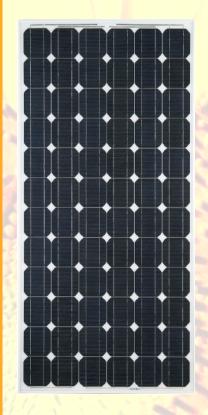
Electrical characteristics								
P_{max} , V_{oc} , I_{sc} , V_{mp} and I_{mp} at STC (1000W/m², 25°C, AM 1.5);								
Maximum Power (P _{max})	160W	165W	170W	175W	180W	185W		
Open Circuit Voltage (V _{oc})	43.9V	44.1V	44.3V	44.5V	44.7V	44.8V		
Short Circuit Current (I _{sc})	5.21A	5.26A	5.31A	5.36A	5.41A	5.46A		
Maximum Power Voltage (V _{mp})	33.8V	34.3V	34.8V	35.3V	35.8V	36.3V		
Maximum Power Current (I _{mp})	4.74A	4.81A	4.89A	4.96A	5.03A	5.10A		
Module Efficiency (<mark>%)</mark>	12.54	12.93	13.32	13.71	14.10	14.49		

Temperature Coefficients

Temperature Coefficients of Pm		-0.45 %/℃
Temperature Coefficients of Voc		-0.16 %/℃
Temperature Coefficients of Isc		+0.06 %/°C
Temperature Coefficients of Im		+0.06 %/°C
Temperature Coefficients of Vm	₹	-0.16 %/℃

Absolute Maximum Limits

Maximum System Voltage	1000V DC
Module Operating Temperature	-40°C to +85°C
Noct (DEGC.)	45°C±3°C



WARRANTY

- Product: 10 years
- Power Output: 90%----10 years

80%----25 years







Passionately committed to delivering innovative energy solution

www.wwmusa.com



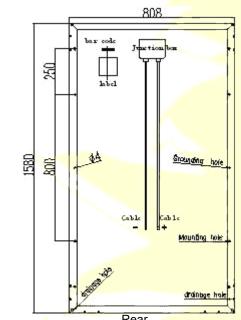


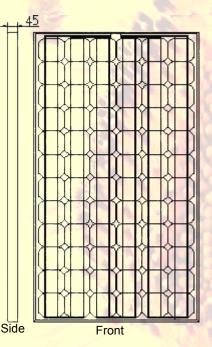
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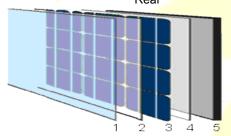
Mechanical characteristics 125mmx125mm [4.92inx4.92in] Mono-crystal silicon Cell Technology 72 (6x12) Number of Cells (Pcs) 1580mmx808mmx45mm **Dimensions** 15.5kg Weight Aluminium-alloy Frame 900mm Length of Cables (mm) Steel ball fall down from 1m height Allowable Hail Load 60m/s(540kg/m²) Surface Maximum Load Capacity

Basic Dimensions

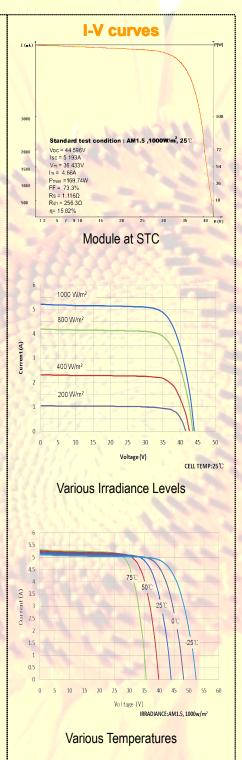
ALL DIMENSIONS IN mm







- 1. Front: tempered solar glass 3.2mm
- 2. EVA
- 3. 72 high efficiency solar cells 125mm X 125mm
- 4. EVA
- Rear: laminate (weatherproof and waterproof)



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