



New Energy

New World

Worldwide Energy and Manufacturing USA, Co., LIMITED

AS-6M30 Amerisolar

Amerisolar's photovoltaic modules are designed for large electrical power requirements. With a 30 year warranty, AS-6M30 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. Eight mounting holes on the frame can make the module to be installed easily.
- Superior Junction box: Multi function junction box with waterproof capabilities.
- Long lifespan: ≥ 30 years.
- Power tolerance: $0 \sim +3\%$.
- Good performance of preventing from atrocious weather such as wind and hails.
- Resisting moisture and etching effectively, not affected by geology.
- The certificate issued by international authority: CE, TUV, IEC, UL, MCS PV CYCLE, CEC Australia listed, Israel Certificate and Korea Certificate.



WARRANTY

- Product: 12 years
- Power Output:
91.2%----12 years
80.6%----30 years

Electrical characteristics

P_{max} , V_{oc} , I_{sc} , V_{mp} and I_{mp} at STC (1000W/m ² , 25°C, AM 1.5);					
Maximum Power (P_{max})	230W	235W	240W	245W	250W
Open Circuit Voltage (V_{oc})	36.9V	37.0V	37.1V	37.2V	37.3V
Short Circuit Current (I_{sc})	8.31A	8.42A	8.52A	8.62A	8.72A
Maximum Power Voltage (V_{mp})	30.1V	30.2V	30.3V	30.4V	30.5V
Maximum Power Current (I_{mp})	7.65A	7.78A	7.92A	8.06A	8.20A
Module Efficiency (%)	13.92	14.23	14.53	14.83	15.13

Temperature Coefficients

Temperature Coefficients of P_{max}	-0.43 %/°C
Temperature Coefficients of V_{oc}	-0.33 %/°C
Temperature Coefficients of I_{sc}	+0.056 %/°C

Absolute Maximum Limits

Maximum System Voltage	600V DC
Module Operating Temperature	-40°C to +85°C
NOCT	45°C±2°C



Passionately
committed to
delivering innovative
energy solution

www.weamerisolar.com



New Energy

New World

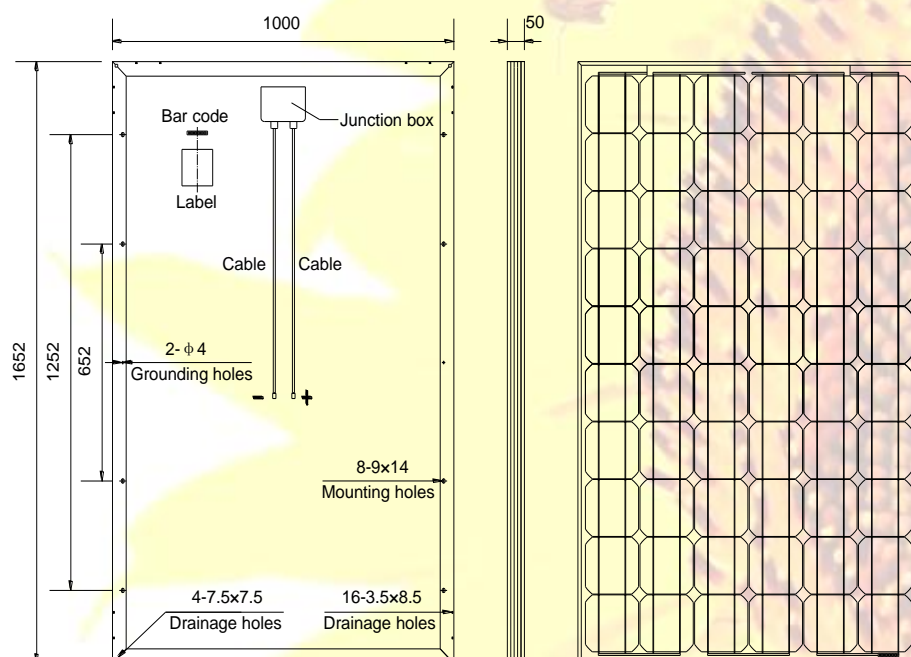
Worldwide Energy and Manufacturing USA, Co., LIMITED

Mechanical characteristics

Cell Technology	156mmx156mm [6.14inx6.14in]	Mono-crystal silicon
Number of Cells (Pcs)	60 (6x10)	
Dimensions	1652mmx1000mmx50mm [65.04inx39.37inx1.97in]	
Weight	22kg [48.50lb]	
Frame	Anodized Aluminium Alloy	
Length of Cables	900mm [35.43in]	
Allowable Hail Impact	25mm hail at 23m/s	
Surface Maximum Load Capacity	2400Pa(Wind load) / 5400Pa(Snow load)	

Basic Dimensions

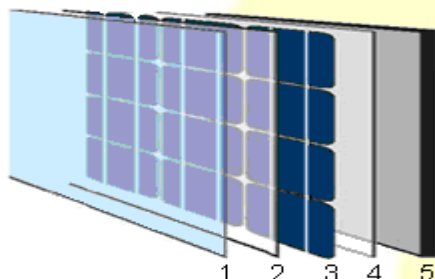
ALL DIMENSIONS IN mm



Rear

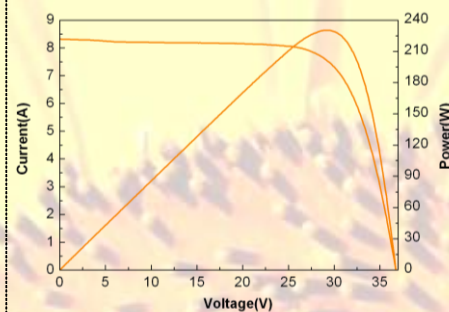
Side

Front

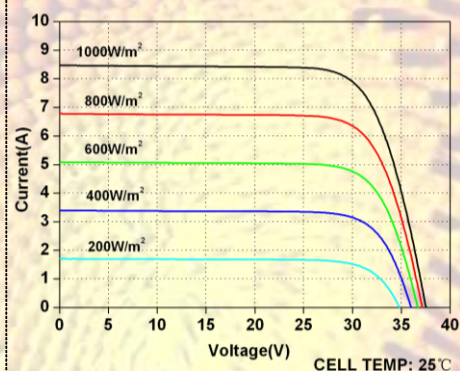


1. Front: tempered solar glass 3.2mm
2. EVA
3. 60 high efficiency solar cells
4. EVA
5. Rear: laminate (weatherproof and waterproof)

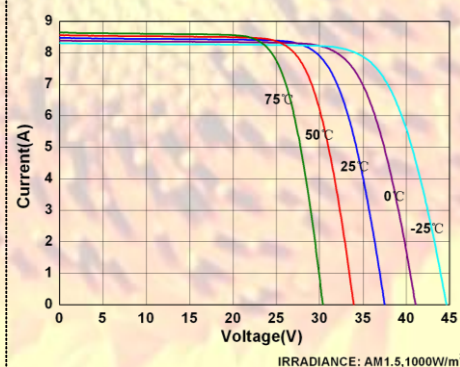
I-V curves



Module at STC



Various Irradiance Levels



Various Temperatures

Worldwide Energy and Manufacturing USA, Co., LIMITED

RM 1708 C1, NAN FUNG TOWER, 173 DES VOEUX RD CENTRAL, HK

Tel : +1-650-777-7606

E-mail : sales@weamerisolar.com

Http://www.weamerisolar.com