



New Energy

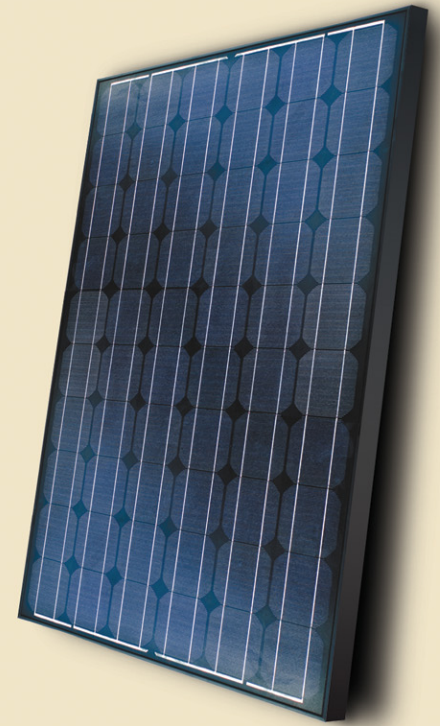
New World

Worldwide Energy and Manufacturing USA, Inc.

Amerisolar AS-6M30

Amerisolar's photovoltaic modules are designed for large-scale electrical power requirements. With a 25 year warranty, the AS-6M30 offers high-power and reliable performance for solar projects, both on-and off-grid.

- Solar Cells: High efficiency solar cells ensure high performance of the solar module and create maximum power output.
- Low-Iron Tempered Glass: High transmittance glass with Anti-reflective coating increase the power output and mechanical strength of the solar module.
- Aluminum Frame: Screw-less corner joints provide superior rigidity. Eight predrilled mounting holes ease installation.
- Superior Junction Box: Multi function junction box with water proof capabilities.
- Long Lifespan: ≥ 25 Years.
- Tolerance: +3%, -0%
- High impact resistance affords superior performance during severe weather - high wind, driving rain, heavy snow and hail.
- Moisture proof and corrosion-resistant.
- 220W, 230W and 240W models listed on CEC under Worldwide Energy.
- Carries certificates from International Agencies: CE, TUV, UL, IEC and KEMCO.



WARRANTY

- Product and Workmanship: 5 Years
- Power Output:
90% - 10 Years
80% - 25 Years

Electrical Characteristics

P_{max} , V_{oc} , I_{sc} , V_{mp} and I_{mp} at STC (1000W/m ² , 25±2°C, AM 1.5);	200W	210W	220W	230W	240W	250W
Maximum Power (P_{max})	200W	210W	220W	230W	240W	250W
Open Circuit Voltage (V_{oc})	36.2V	36.4V	36.6V	36.9V	37.1V	37.4V
Short Circuit Current (I_{sc})	7.50A	7.80A	8.10A	8.31A	8.52A	8.73A
Maximum Power Voltage (V_{mp})	29.6V	29.8V	30.0V	30.2V	30.3V	30.4V
Maximum Power Current (I_{mp})	6.76A	7.05A	7.34A	7.62A	7.92A	8.22A
Module Efficiency (%)	12.1	12.7	13.3	13.9	14.5	15.1

Temperature Coefficients

Temperature Coefficient of P_m	-0.47 %/°C
Temperature Coefficient of V_{oc}	-0.38 %/°C
Temperature Coefficient of I_{sc}	+0.04 %/°C
Temperature Coefficient of I_m	+0.04 %/°C
Temperature Coefficient of V_m	-0.38 %/°C

Absolute Maximum Limits

Maximum System Voltage	600V DC
Module Operating Temperature	-40°C to +85°C
Noct (DEGC.)	47°C ± 2°C



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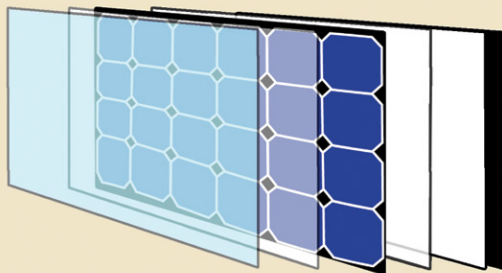
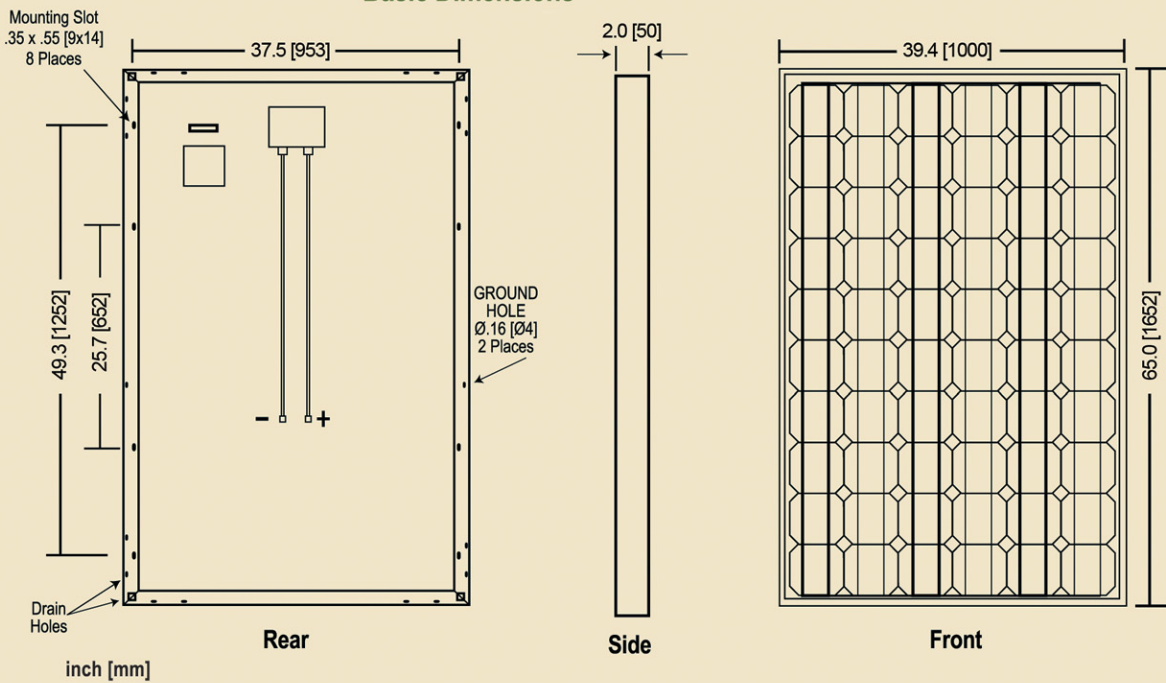
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Mechanical Characteristics

Cell Size and Type	6.14 x 6.14 in [156 x 156 mm]	Mono-Crystalline Silicon
Number of Cells	6 x 10 = 60	
Dimensions	65.0 x 39.4 x 2.0 in [1652 x 1000 x 50]	
Weight	48.4 lbs [22 kg]	
Frame	Anodized Aluminium Alloy	
Length of Cables	35.43in [900mm]	
Allowable Hail Load	227g steel ball dropped from 1m height	
Maximum Surface Load Capacity	134 mph [60 m/s] Wind or 111 lbs/ft ² [540kg/m ²]	

Basic Dimensions



1. Front: tempered solar glass 3.2mm
2. EVA
3. 60 high efficiency solar cells 156mm X 156mm [6.14inx6.14in]
4. EVA
5. Rear: laminate (weatherproof and waterproof)



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