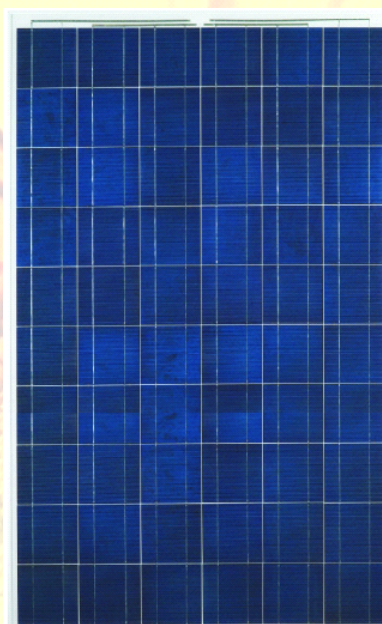




AS-6P30 Amerisolar

Amerisolar's photovoltaic modules are designed for large-scale electrical power requirements. With a 25 year warranty, the AS-6P30 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 an Anti-reflective coating increase the power output and mechanical strength of the solar module.
- Aluminum Frame: Screw-less corner joints provide superior rigidity. Ten predrilled mounting holes ease installation.
- Superior Junction Box: Multi function junction box with water proof capabilities.
- Long Lifespan: ≥ 25Years.
- Tolerance: ±3%.
- High impact resistance affords superior performance during severe weather – high wind, driving rain, heavy snow and hail.
- Moisture proof and corrosion-resistant.
- Carries certificates from International Agencies: CE, TUV, UL, IEC, MCS and Korea Certificate.



Electrical Characteristics

<i>P_{max}, V_{oc}, I_{sc}, V_{mp} and I_{mp} at STC (1000W/m², 25±2°C, AM 1.5);</i>						
Maximum Power (P _{max})	200W	210W	220W	230W	240W	250W
Open Circuit Voltage (V _{oc})	36.0V	36.2 V	36.5 V	36.8 V	37.0 V	37.2V
Short Circuit Current (I _{sc})	7.52A	7.82 A	8.12 A	8.34 A	8.54 A	8.74A
Maximum Power Voltage (V _{mp})	29.5V	29.7 V	29.8 V	30.0 V	30.2 V	30.3V
Maximum Power Current (I _{mp})	6.78A	7.08 A	7.40 A	7.67 A	7.95 A	8.25A
Module Efficiency (%)	12.1	12.7	13.3	13.9	14.5	15.1

Temperature Coefficients

Temperature Coefficients of Pm	-0.47 %/°C
Temperature Coefficients of Voc	-0.38 %/°C
Temperature Coefficients of Isc	+0.04 %/°C
Temperature Coefficients of Im	+0.04 %/°C
Temperature Coefficients of Vm	-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

WARRANTY

- Product: 10 years
- Power Output:
90%----10 years
80%----25 years

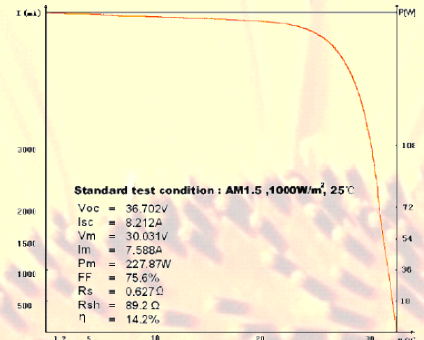


Passionately committed to delivering innovative energy solutions

Mechanical Characteristics

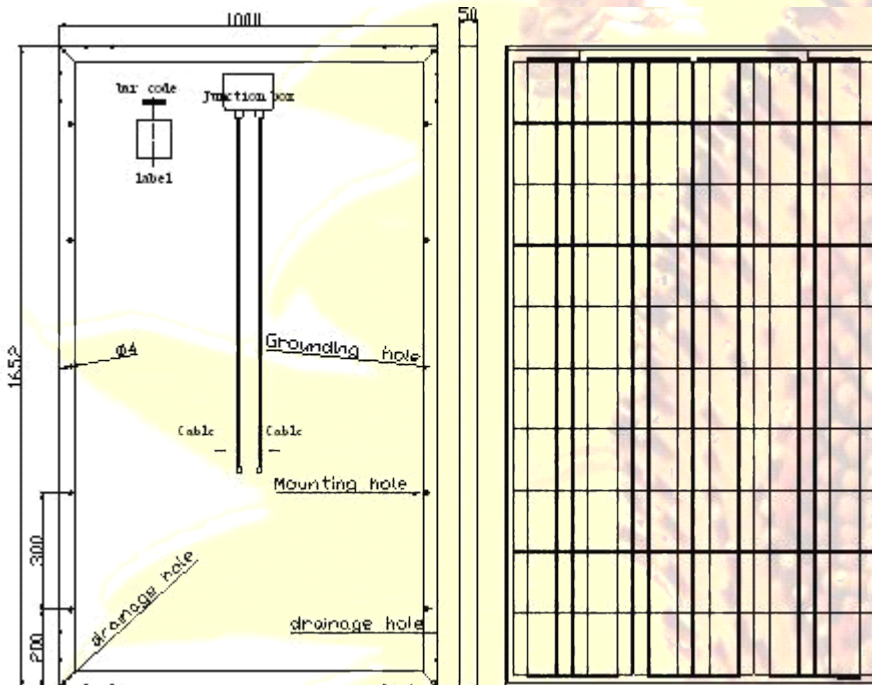
Cell Technology	156mmx156mm [6.14in x 6.14in] Poly-crystal silicon
Number of Cells (Pcs)	60 (6x10)
Dimensions	1652mmx1000mmx50mm [65.04in x 39.37in x 1.97in]
Weight	22kg [48.4lb]
Frame	Anodized Aluminium Alloy
Length of Cables (mm)	900mm [35.43in]
Allowable Hail Load	227g steel ball dropped from 1m height
Surface Maximum Load Capacity	60m/s Wind or 540kg/m ²

I-V curves

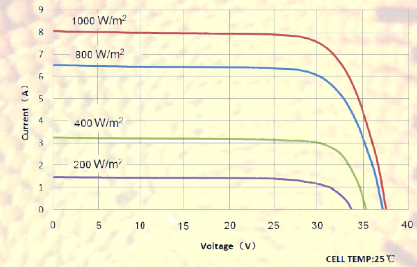


Basic Dimensions

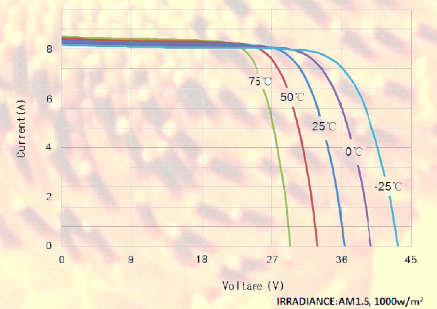
ALL DIMENSIONS IN mm



Module at STC



Various Irradiance Levels

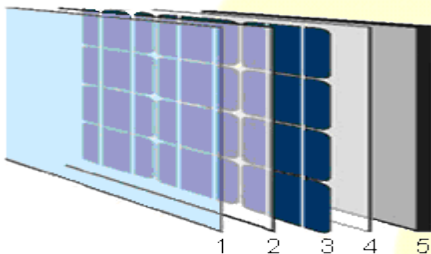


Various Temperatures

Rear

Side

Front



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

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