



New Energy

New World

Worldwide Energy and Manufacturing USA, Inc.

AS-6P30 Amerisolar

Amerisolar's photovoltaic modules are designed for large electrical power requirements. With a 30 year warranty, AS-6P30 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. 8 holes on the frame can be installed easily.
- Superior Junction box: Multi function junction box with water proof capabilities.
- Long lifespan: ≥ 30 Years.
- Tolerance: $+0 \sim 3\%$.
- 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 PVCYCLE, CEC Australia listed, Israel Certificate and Korea Certificate.

Electrical characteristics

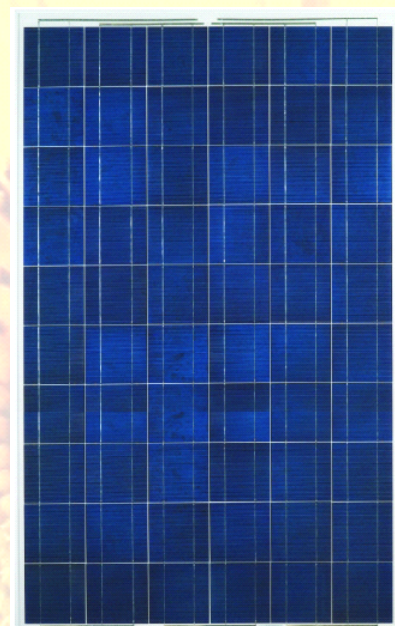
P_{max} , V_{oc} , I_{sc} , V_{mp} and I_{mp} at STC ($1000W/m^2$, $25\pm 2^\circ C$, AM 1.5):									
Maximum Power (P_{max})	200W	205W	210W	215W	220W	225W	230W	235W	240W
Open Circuit Voltage (V_{oc})	36.15V	36.32V	36.49V	36.66V	36.83V	37.00V	37.17V	37.34V	37.51V
Short Circuit Current (I_{sc})	7.80A	7.89A	7.97A	8.06A	8.14A	8.23A	8.31A	8.40A	8.48A
Maximum Power Voltage (V_{mp})	28.13V	28.32V	28.50V	28.72V	28.92V	29.12V	29.32V	29.52V	29.72V
Maximum Power Current (I_{mp})	7.11A	7.24A	7.37A	7.49A	7.61A	7.73A	7.84A	7.96A	8.08A
Module Efficiency (%)	12.23	12.54	12.84	13.15	13.45	13.76	14.07	14.37	14.68

Temperature Coefficients

Temperature Coefficients of P_m	-0.47 %/ $^\circ C$
Temperature Coefficients of V_{oc}	-0.33 %/ $^\circ C$
Temperature Coefficients of I_{sc}	+0.036 %/ $^\circ C$

Absolute Maximum Limits

Maximum System Voltage	1000V DC
Module Operating Temperature	-40 $^\circ C$ to +85 $^\circ C$
Noct (DEGC.)	47 $^\circ C \pm 2^\circ C$



WARRANTY

- Product: 12 years
- Power Output:
90%----12 years
80%----30 years



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energy solution

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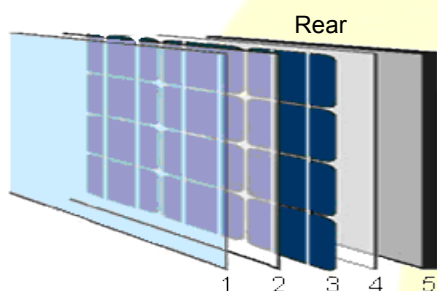
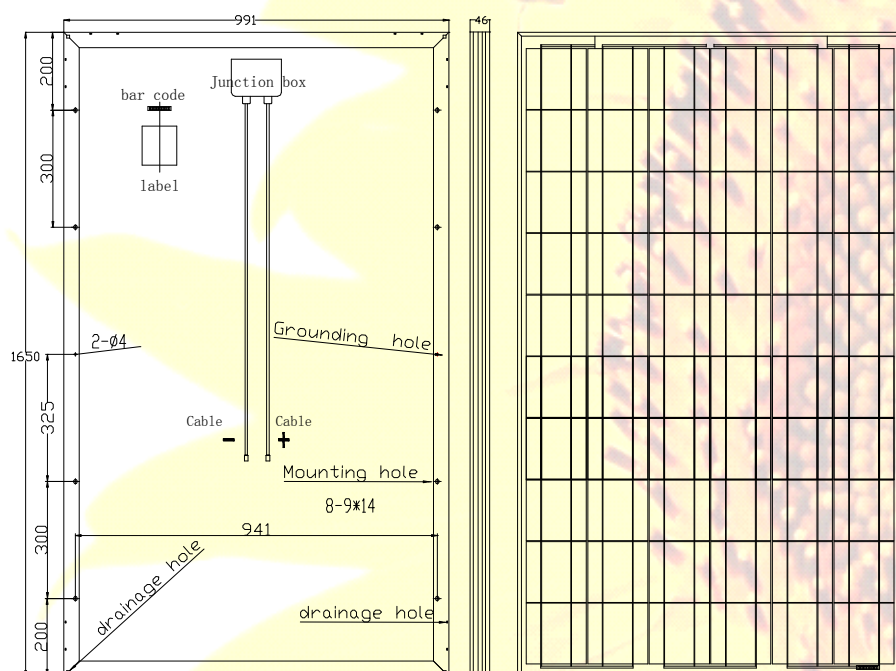
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Mechanical characteristics

Cell Technology	156mmx156mm [6.14inx6.14in]	Poly-crystal silicon
Number of Cells (Pcs)	60 (6x10)	
Dimensions	1650mmx991mmx46mm	
Weight	19.5kg	
Frame	Aluminium-alloy	
Length of Cables (mm)	900mm	
Allowable Hail Load	Steel ball fall down from 1m height	
Surface Maximum Load Capacity	60m/s(540kg/m ²)	

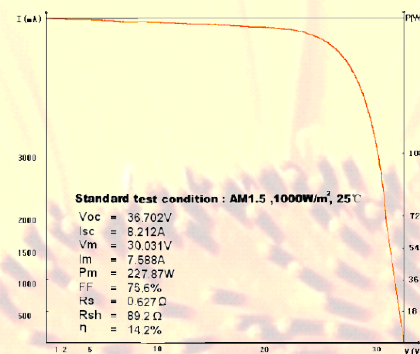
Basic Dimensions

ALL DIMENSIONS IN mm

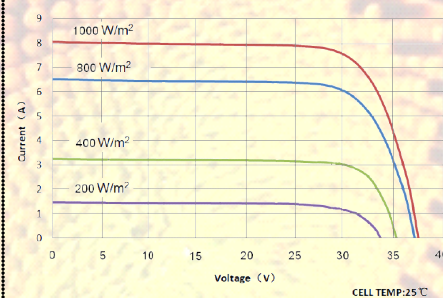


- Side Front
1. Front: tempered solar glass 3.2mm
 2. EVA
 3. 60 high efficiency solar cells
156mm X 156mm
 4. EVA
 5. Rear: laminate (weatherproof and waterproof)

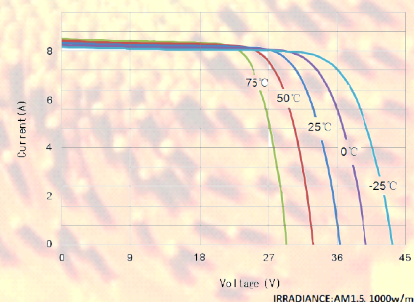
I-V curves



Module at STC



Various Irradiance Levels



Various Temperatures

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