

TWxxxP60-FA

Solar Module



Introduction

Tianwei New Energy (Yangzhou) Co., Ltd. is the exclusive solar module production base of TIANWEI GROUP, which is an affiliate of China South Industries Group Corporation (CSGC), a global 500 company. Excellent Solar Modules produced by Tianwei bring clean and reliable energy to residential, commercial and industrial facilities around the world.

- ✓ High module efficiency and stable power output based on leading process technology;
- ✓ Outstanding electrical performance under high-temperature conditions or low-irradiance conditions;
- ✓ Ease of installation and applications due to the innovative engineering design;
- ✓ Rigorous quality control meets the highest international standard.

Warranty

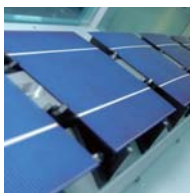
Workmanship & material: 10 years

Power output:

The power output shall not degrade more than 2% within the first year

The power output shall not degrade more than 3% within the first two years

The average annual power output degradation shall not exceed 0.7% in the following 23 years



Engineering
a Reliable Solar Future

50+25
History + Quality assurance



Tianwei New Energy (Yangzhou) Co., Ltd.

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TIANWEI

Electrical Characteristics

Maximum Power (Pmax)	225	230	235	240	245	250
Open Circuit Voltage (Voc)	36.7	36.8	37.2	37.3	37.4	37.8
Short Circuit Current (Isc)	8.2	8.23	8.4	8.47	8.62	8.7
Maximum Power Voltage (Vmp)	30.1	30.5	30.9	31.2	31.3	31.8
Maximum Power Current (Imp)	7.48	7.54	7.61	7.7	7.83	7.87
Module Efficiency (%)	13.7	14.1	14.4	14.7	15.0	15.3
Cell Efficiency (%)	15.4	15.8	16.1	16.4	16.8	16.8
Power Tolerance (W)	0~5					
Maximum Series Fuse Rating (A)	15					
Maximum System Voltage (TUV / UL)	DC 1000V / 600V					
Normal Operating Cell Temperature (°C)	47±3					

Electrical characteristics tested at Standard Test Conditions (STC), defined as: Irradiance of 1000w/m², Spectrum AM1.5, and temperature of 25°C.

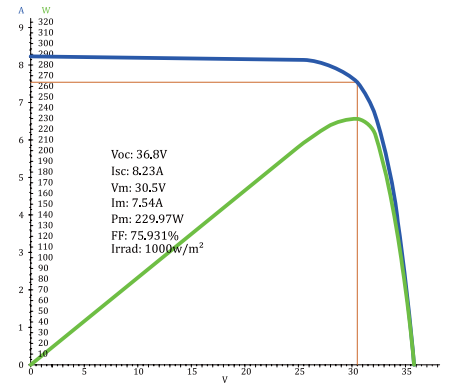
Mechanical Specifications

Cell Type 156 x 156mm Polycrystalline silicon, 60pcs (6×10)
 Dimensions 1640×992×40mm
 Weight 19.5kg
 Frame Aluminium-alloy
 Max Load 5400Pa

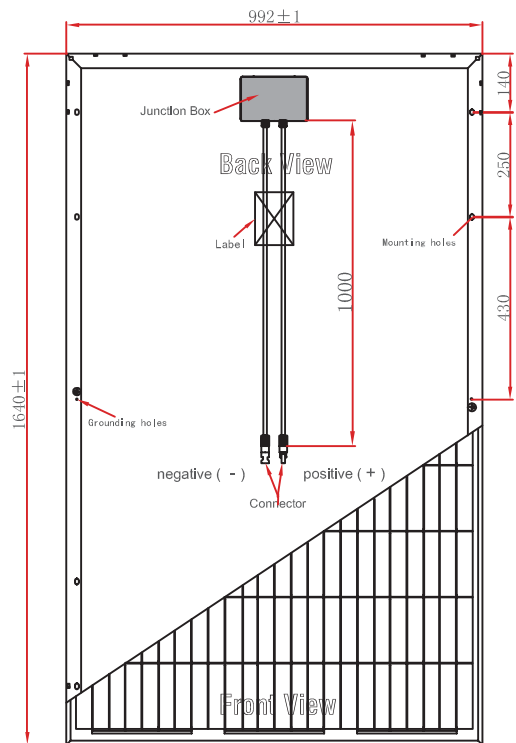
Temperature Coeff.

Temperature Coeff. of Isc (TK Isc) 0.046%/°C
 Temperature Coeff. of Voc (TK Voc) -0.33%/°C
 Temperature Coeff. of Pmax (TK Pmax) -0.43%/°C

IV Curves



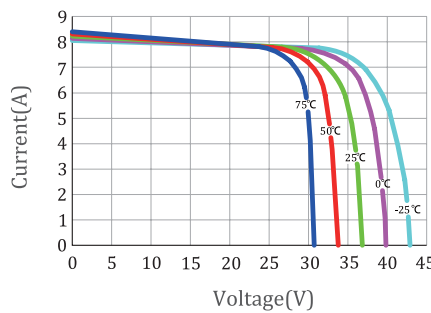
Dimensions



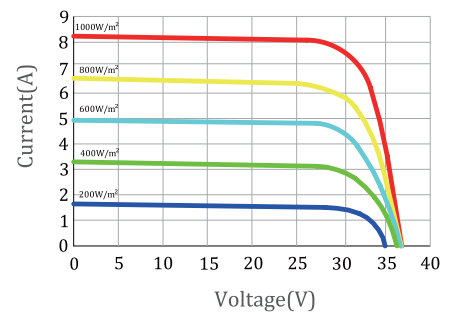
Maximum Ratings

Operating Temperature(°C) -40°C to +85°C
 Storage Temperature(°C) -20°C to +40°C

Various Temperatures



Various Irradiance Levels



Distributor Information

Please contact sales@twysolar.com for more details.

