

50+25

History + Quality assurance

Tianwei, a company with over 50 years history, has well established a fully integrated PV industrial chain (silicon-wafer-cell-module). Utilizing first-class materials and advanced processes, plus stringent QA practice, Tianwei is committed to provide you:

- High-performance modules with excellent efficiency
- Long lasting product quality and reliable power output guarantee

Free from defects in materials and workmanship for 5 years

90% power output over 10 years

80% power output over 25 years



TW230P60 Series

Polycrystalline Silicon PV Module



Electrical Characteristics

Parameter	Type	TW210P60	TW215P60	TW220P60	TW225P60	TW230P60	TW235P60	TW240P60
Maximum Power (P max)		210 W	215 W	220 W	225 W	230 W	235 W	240 W
Voltage at Pmax (V mpp)		28.4V	28.7V	28.9V	29.2V	29.4V	29.8V	30.0V
Current at Pmax (I mpp)		7.40A	7.50A	7.62A	7.71A	7.82A	7.89A	8.00A
Short circuit current (Isc)		8.00A	8.11A	8.20A	8.20A	8.22A	8.29A	8.38A
Open circuit voltage (Voc)		36.1V	36.4V	36.7V	36.8V	37.3V	37.6V	37.6V
Maximum System Voltage		DC 1000V (TUV) ; DC 600V (UL)						
Power Tolerance		± 3%						
Series Fuse Rating		15 A						

■ All technical data at standard test condition:
Am=1.5 E=1000W/m² Tc=25℃

Mechanical Characteristics

Dimensions	Length: 1640 mm Width: 992 mm Depth: 40 mm
Weight	20 kg
Solar Cells	60 solar cells (156mm x 156mm) in a 6x10 matrix connected string
Junction Box	IP 65 Junction Box
Output Cables	4 mm² (12AWG) solar cable with weatherproof connertors
Front Cover	3.2 mm (1/8 inch) low iron, high transparent tempered glass
Frame	Material: 6063T5; Electrophoretic coating aluminum alloy frame; Color: silver

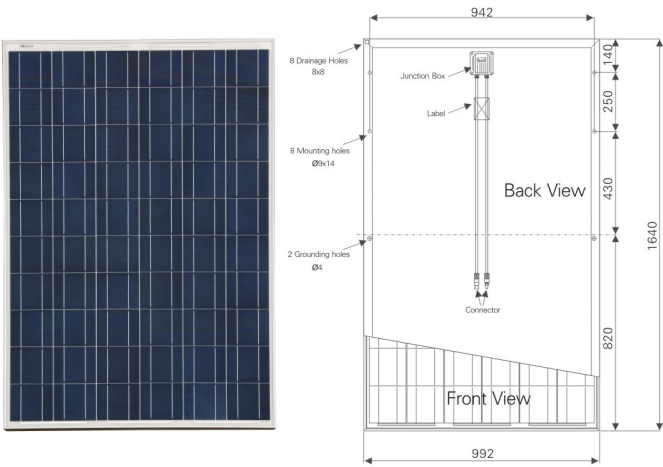
Temperature Coefficients

Nominal Operating Cell Temperature (NOCT)	47 ± 2℃
Temperature Coefficient of Pmax	−0.44 %/℃
Temperature Coefficient of Voc	−0.34 %/℃
Temperature Coefficient of Isc	0.06 %/℃

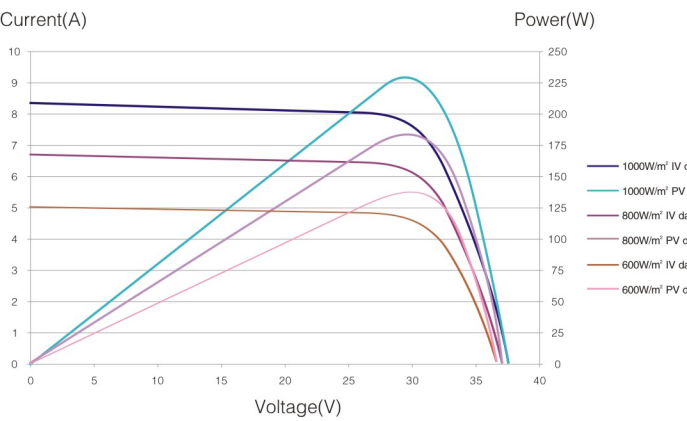
Qualification Test Parameters

Operating Temperature	−40 ℃ to +85 ℃
Wind Load	≤ 2400 Pa
Snow Load	≤ 5400 Pa

Module Diagram



TW230P60 Module IV Curves



Note: Technical data is subject to change without prior notice, please contact Tianwei New Energy representative for latest data.