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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Jiangsu Tihein Photovoltaic Technology Co., Ltd.**

**THM170M-200M-72**

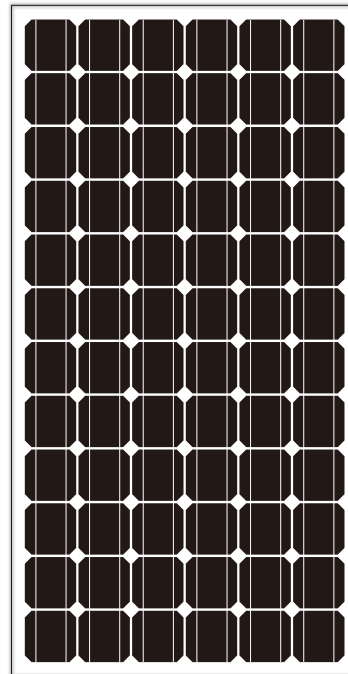
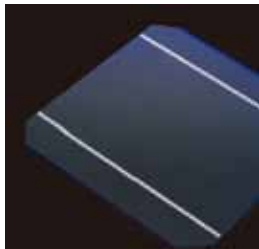
**THM 200M-72**

Also available on the web at  
[EnergyPal.com/jiangsu-tihein-photovoltaic-technology-co-ltd-solar-panels/thm-200m-72](http://EnergyPal.com/jiangsu-tihein-photovoltaic-technology-co-ltd-solar-panels/thm-200m-72)

## Tihein Solar Series Mono-crystalline PV Module

# Tihein Solar

High Efficiency, High Quality  
PV Module



### Features:

- High conversion efficiency based on leading innovative PV technologies
- Tempered glass, EVA resin, and weatherproof film, and anodized aluminum frame for extended outdoor use
- Attractive appearance
- High reliable, guarantee  $\pm 3\%$  power output tolerance

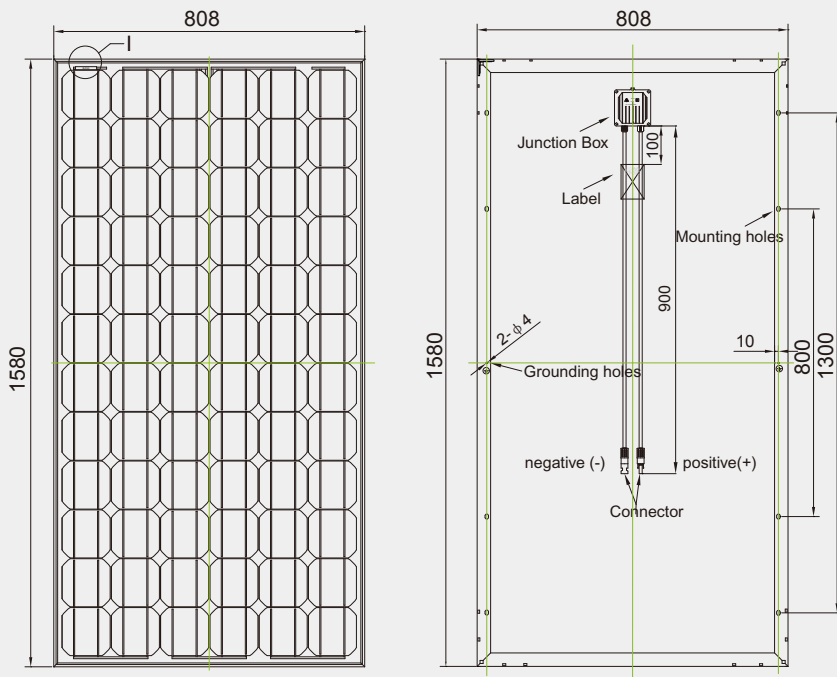
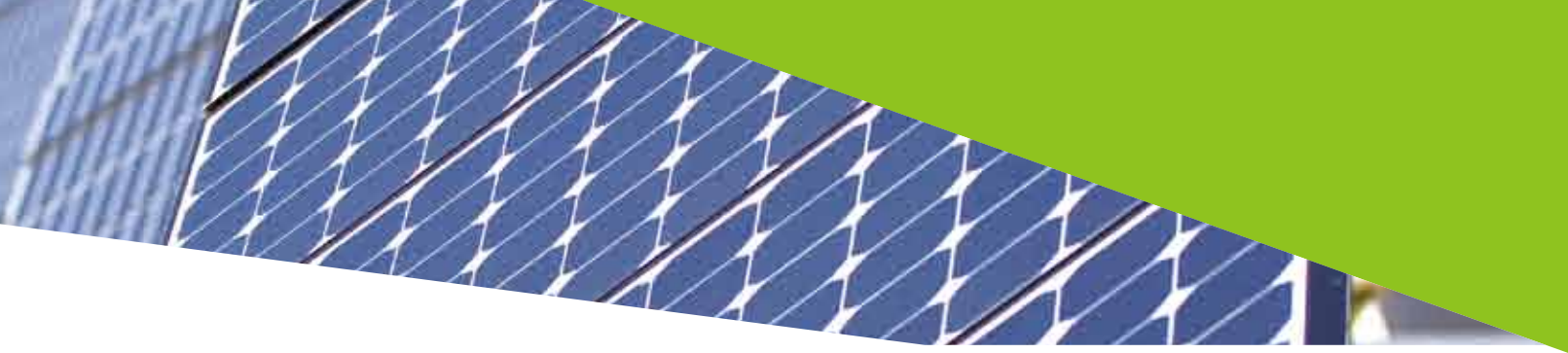
### Safety and Quality:

- 25-year limited warranty on power output:  
90% power output over 10 years 80% power output over 25 years
- 5-year materials and workmanship warranty
- Tested by leading institutes and certified for reliability:  
(1)TUV, IEC61215, IEC61730 (2)MCS (3)CE

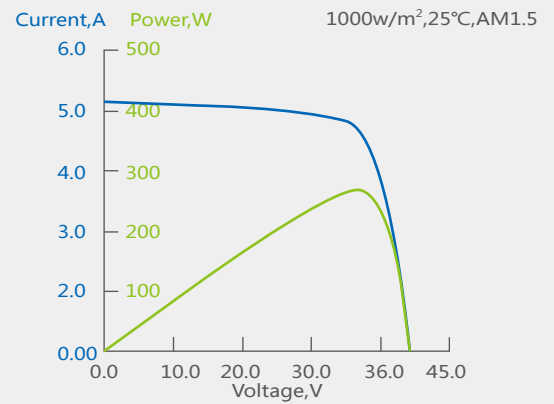
### Qualification Test

Temperature cycling range	-40 C to +85 C for 200 cycles
Damp heat test	85 C and 85 relative humidity for 1000h
Front & rear static load test (eg.:wind)	2400Pa
Front load test (eg.:snow)	5400Pa
Hailstone impact test	25mm hail at 23m/s from 1m distance





## IV CURVES



## Electrical Characteristics (170-200watt monocrystalline silicon module)

Type	Unit	THM 170M-72	THM 175M-72	THM 180M-72	THM 185M-72	THM 190M-72	THM 195M-72	THM 200M-72
Peak power(Pmax)	W	170	175	180	185	190	195	200
Maximum power voltage(Vmp)	V	35.5	35.5	36	36	36.5	36.5	36.5
Open circuit voltage(Voc)	V	43.3	43.3	43.9	43.9	44.5	44.5	44.5
Maximum power current(Imp)	A	4.79	4.93	5	5.14	5.21	5.34	5.48
Short circuit current(Isc)	A	5.08	5.23	5.3	5.45	5.52	5.66	5.81
Maximum system voltage	V	1000	1000	1000	1000	1000	1000	1000
PowerTemperature and Coefficient	%/°C	-0.438	-0.438	-0.438	-0.438	-0.438	-0.438	-0.438
CurrentTemperature and Coefficient	%/°C	0.037	0.037	0.037	0.037	0.037	0.037	0.037
VoltageTemperature and Coefficient	%/°C	-0.297	-0.297	-0.297	-0.297	-0.297	-0.297	-0.297

## Mechanical Characteristics

Dimension(mm)	1580×808×35
Weight(kg)	15.5
Solar cells	72 cells (125×125mm)configured geometrically for a 6×12 matrix connected in series
Output cable length(mm)	900
Construction	Front:High transmission 3.2 mm tempered glass Rear:White backsheet; Encapsulant: EVA.