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# **EnergyPal**

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

**Zhejiang TTN Electric Co., Ltd.**

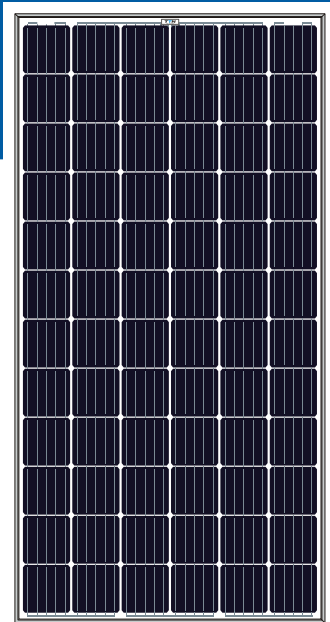
**TTN-190-205M72**

**TTN-M195W-72**

Also available on the web at  
[EnergyPal.com/zhejiang-ttn-electric-co-ltd-solar-panels/ttn-m195w-72](http://EnergyPal.com/zhejiang-ttn-electric-co-ltd-solar-panels/ttn-m195w-72)

# TTN-190-205M72

Monocrystalline Solar Module



## APPLICATIONS

- Large terrestrial power station
- Industrial and commercial roof power generation
- Residential roof
- Off grid solar power system

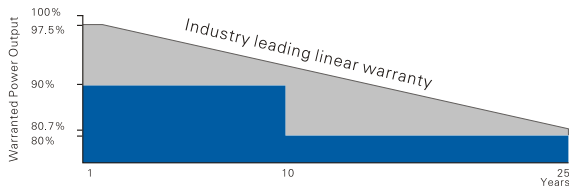


**72** CELL Series

**10** YEAR Product Warranty

**25** YEARS Linear Warranty

## Premium Performance Warranty

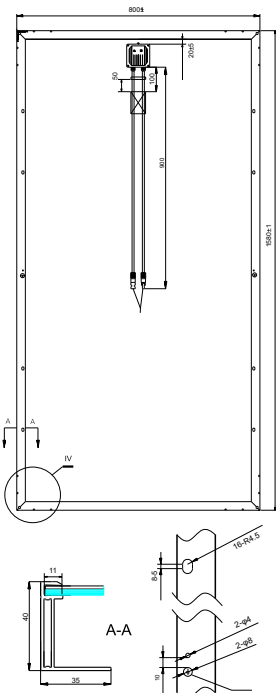


## Electrical data

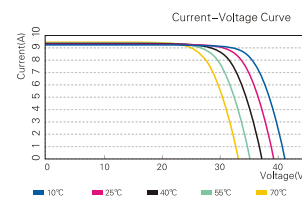
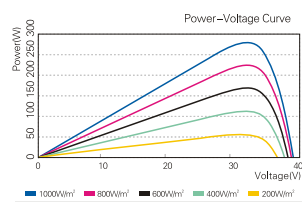
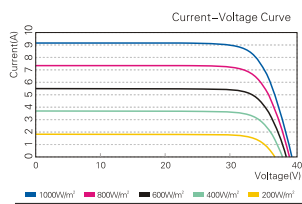
	190Wp	195Wp	200Wp	205Wp
Nominal Power Watt Pmax(Wp)	190Wp	195Wp	200Wp	205Wp
Power Output Tolerance Pmax(W)	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage Vmp(V)	37.19V	37.81V	38.53V	38.97V
Maximum Power Current Imp(A)	5.11A	5.16A	5.21A	5.26A
Open Circuit Voltage Voc(V)	44.63V	45.35V	46.22V	46.77V
Short Circuit Current Ioc(A)	6.13A	6.19A	6.71A	6.77A
Module Efficiency $\eta$ (%)	15.03%	15.42%	15.82%	16.21%
Maximum system voltage	1000V			
Operating temperature	-40°C to +85°C			
NOCT	45°C to $\pm 2^\circ\text{C}$			
Temperature coefficient of Isc	+0.05%/°C			
Temperature coefficient of Voc	-0.34%/°C			
Temperature coefficient of Pm	-0.42%/°C			

Specifications included in this datasheet are subject to change without prior notice

## Dimensions



## Curve chart



## Mechanical data

Solar cells	Mono 125x125mm
Cells orientation	72(6x12)
Module dimension	1580mmx800mmx35mm
Weight	15kg
Glass	High transparency, low iron, tempered glass 3.2mm(AR-coating)
Junction box	8Ax9 diodes
Cables	2.5 mm <sup>2</sup> , 900mm
Connectors	MC4-compatible

Established in 1994