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# **EnergyPal**

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

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

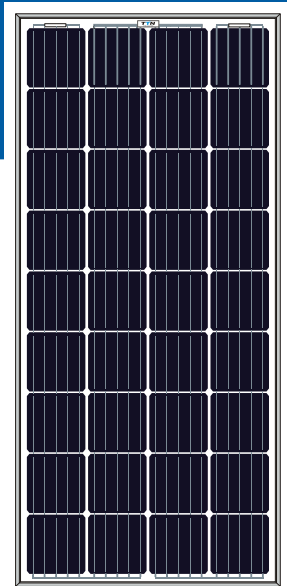
**TTN-80-100M36**

**TTN-M80W-36**

Also available on the web at  
[EnergyPal.com/zhejiang-ttn-electric-co-ltd-solar-panels/ttn-m80w-36](http://EnergyPal.com/zhejiang-ttn-electric-co-ltd-solar-panels/ttn-m80w-36)

# TTN-80-100M36

Monocrystalline Solar Module



## APPLICATIONS

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

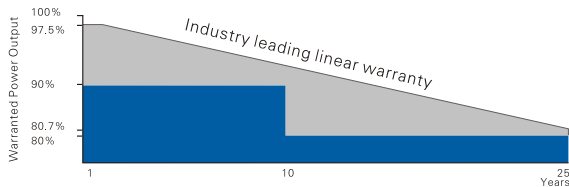


**36** CELL Series

**10** YEAR Product Warranty

**25** YEARS Linear Warranty

## Premium Performance Warranty

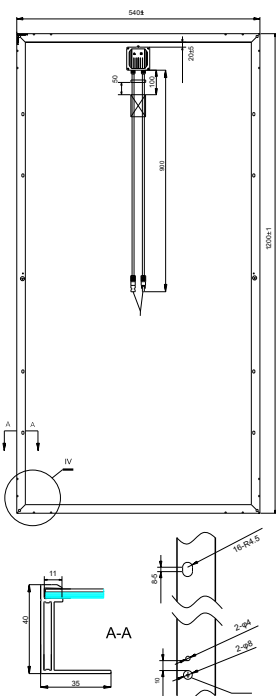


## Electrical data

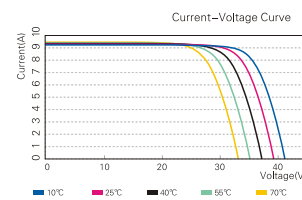
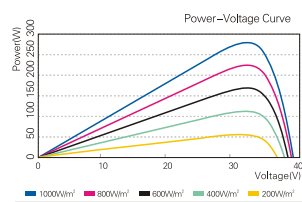
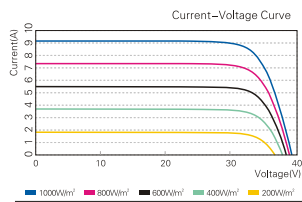
	80Wp	85Wp	90Wp	95Wp	100Wp
Nominal Power Watt Pmax(Wp)	80Wp	85Wp	90Wp	95Wp	100Wp
Power Output Tolerance Pmax(W)	0/+5	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage Vmp(V)	16.21V	16.91V	17.71V	18.55V	19.22V
Maximum Power Current Imp(A)	5.01A	5.06A	5.11A	5.16A	5.21A
Open Circuit Voltage Voc(V)	19.33V	20.31V	21.32V	22.38V	23.05V
Short Circuit Current Ioc(A)	5.49A	5.54A	5.59A	5.65A	5.71A
Module Efficiency $\eta$ (%)	12.34%	13.11%	13.88%	14.66%	15.43%
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	36(4x9)
Module dimension	1200mmx540mmx30mm
Weight	7kg
Glass	High transparency, low iron, tempered glass 3.2mm(AR-coating)
Junction box	8Ax9 diodes
Cables	1.5mm <sup>2</sup> , 900mm
Connectors	MC4-compatible

Established in 1994