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# **EnergyPal**

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

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

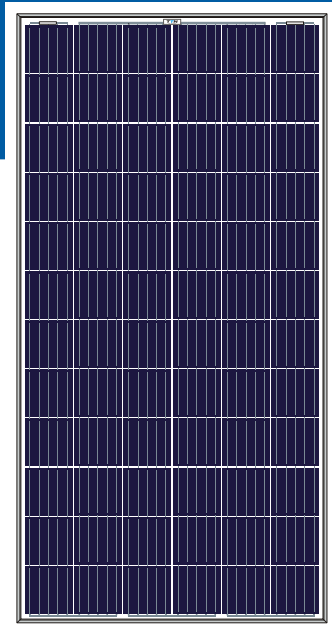
**TTN-300-320W-P72**

**TTN-P305W-72**

Also available on the web at  
[EnergyPal.com/zhejiang-ttn-electric-co-ltd-solar-panels/ttn-p305w-72](http://EnergyPal.com/zhejiang-ttn-electric-co-ltd-solar-panels/ttn-p305w-72)

# TTN-300-320P72

Polycrystalline Solar Module



## APPLICATIONS

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

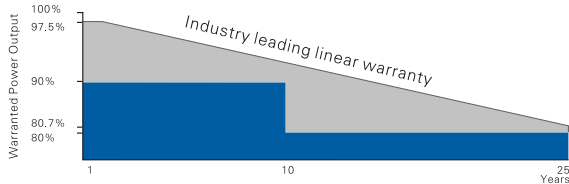


**72** CELL Series

**10** YEAR Product Warranty

**25** YEARS Linear Warranty

## Premium Performance Warranty

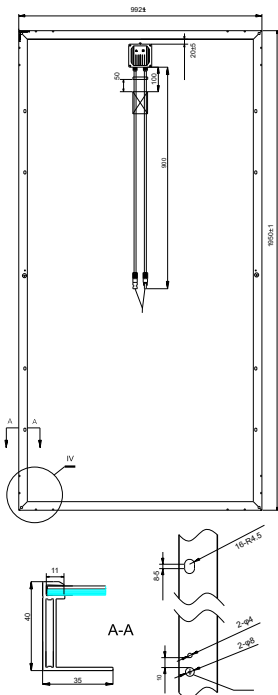


## Electrical data

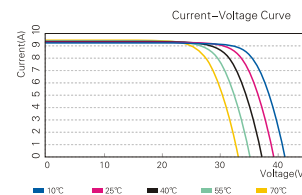
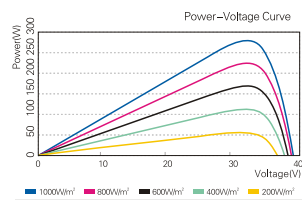
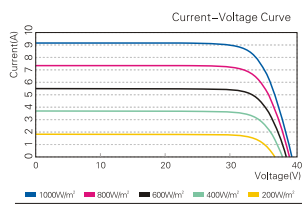
	300Wp	305Wp	310Wp	315Wp	320Wp
Nominal Power Watt Pmax(Wp)	300Wp	305Wp	310Wp	315Wp	320Wp
Power Output Tolerance Pmax(W)	0/+5	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage Vmp(V)	36V	36V	36V	36V	36V
Maximum Power Current Imp(A)	8.33A	8.47A	8.61A	8.75A	8.88A
Open Circuit Voltage Voc(V)	43.2V	43.2V	43.2V	43.2V	43.2V
Short Circuit Current Ioc(A)	9.16A	9.32A	9.47A	9.62A	9.77A
Module Efficiency $\eta$ (%)	15.50%	15.76%	16.02%	16.28%	16.54%
Maximum system voltage	1000V				
Operating temperature	-40°C to +85°C				
NOCT	45°C to $\pm 2$ °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 156x156mm
Cells orientation	72(6x12)
Module dimension	1950mmx992mmx40mm
Weight	21.5kg
Glass	High transparency, low iron, tempered glass 3.2mm(AR-coating)
Junction box	8Ax9 diodes
Cables	4 mm <sup>2</sup> , 900mm
Connectors	MC4-compatible

Established in 1994