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# **EnergyPal**

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

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

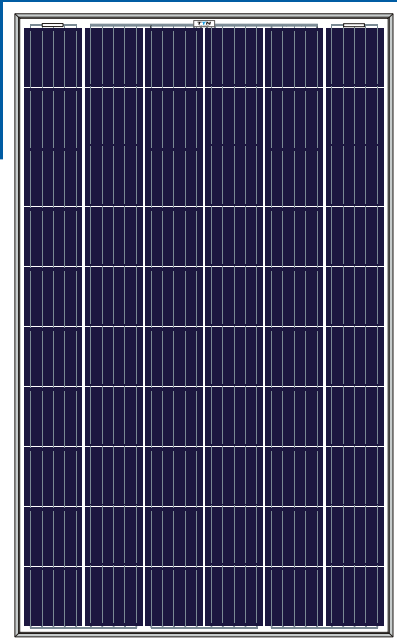
**TTN-225-245P60**

**TTN-P225W-60**

Also available on the web at  
[EnergyPal.com/zhejiang-ttn-electric-co-ltd-solar-panels/ttn-p225w-60](http://EnergyPal.com/zhejiang-ttn-electric-co-ltd-solar-panels/ttn-p225w-60)

# TTN-225-245P60

Polycrystalline Solar Module



## APPLICATIONS

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

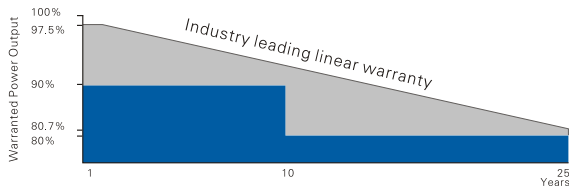


**60** CELL Series

**10** YEAR Product Warranty

**25** YEARS Linear Warranty

## Premium Performance Warranty

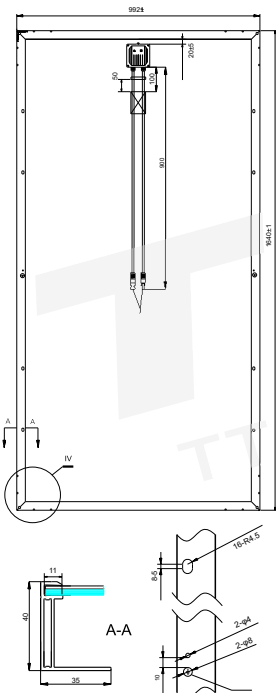


## Electrical data

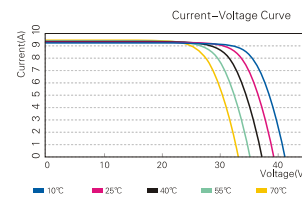
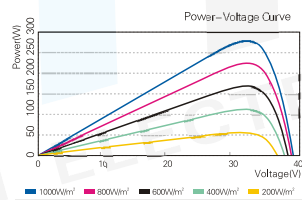
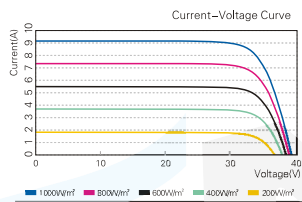
	225Wp	230Wp	235Wp	240Wp	245Wp
Nominal Power Watt Pmax(Wp)	225Wp	230Wp	235Wp	240Wp	245Wp
Power Output Tolerance Pmax(W)	0/+5	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage Vmp(V)	29.97V	29.08V	29.24V	29.38V	29.59V
Maximum Power Current Imp(A)	7.51A	7.91A	8.01A	8.17A	8.28A
Open Circuit Voltage Voc(V)	36.78V	37.2V	37.31V	37.35V	37.45V
Short Circuit Current Ioc(A)	9.13A	9.21A	9.29A	9.37A	9.37A
Module Efficiency $\eta$ (%)	13.83%	14.13%	14.44%	14.75%	15.05%
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	60(6x10)
Module dimension	1640mmx992mmx40mm
Weight	18kg
Glass	High transparency, low iron, tempered glass 3.2mm(AR-coating)
Junction box	8Ax9 diodes
Cables	4mm <sup>2</sup> , 900mm
Connectors	MC4-compatible

Established in 1994