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Solar Panel Guide Specification Data Sheet

Zhejiang TTN Electric Co., Ltd.

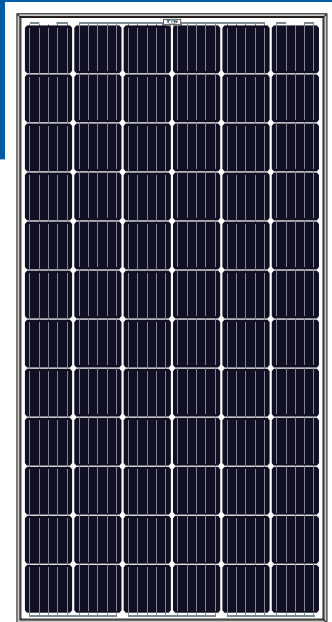
TTN-295-315W-M72

TTN-M300W-72

Also available on the web at
EnergyPal.com/zhejiang-ttn-electric-co-ltd-solar-panels/ttn-m300w-72

TTN-295-315M72

Monocrystalline Solar Module



APPLICATIONS

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

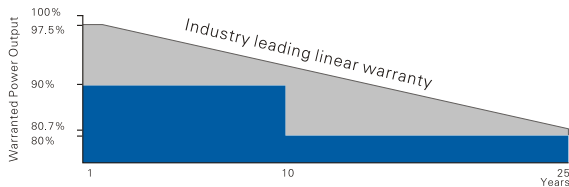


72 CELL Series

10 YEAR Product Warranty

25 YEARS Linear Warranty

Premium Performance Warranty

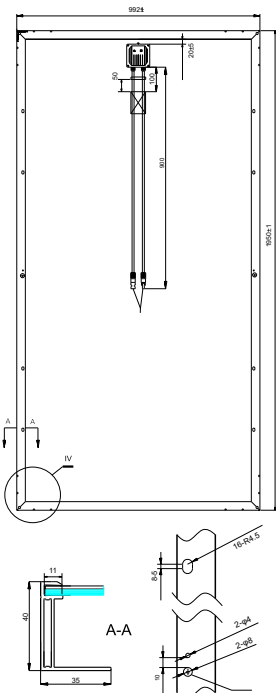


Electrical data

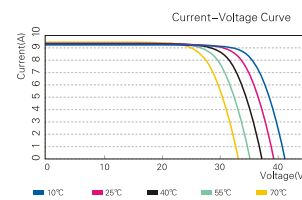
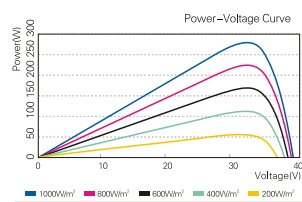
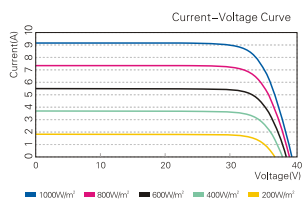
	295Wp	300Wp	305Wp	310Wp	315Wp
Nominal Power Watt Pmax(Wp)	295Wp	300Wp	305Wp	310Wp	315Wp
Power Output Tolerance Pmax(W)	0/+5	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage Vmp(V)	36.34V	36.59V	37.02V	37.31V	37.64V
Maximum Power Current Imp(A)	8.12A	8.2A	8.24A	8.31A	8.37A
Open Circuit Voltage Voc(V)	45.5V	45.6V	45.7V	45.81V	45.91V
Short Circuit Current Ioc(A)	8.7A	8.78A	8.82A	8.87A	8.94A
Module Efficiency η (%)	15.25%	15.50%	15.76%	16.02%	16.28%
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 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	4mm ² , 900mm
Connectors	MC4-compatible

Established in 1994