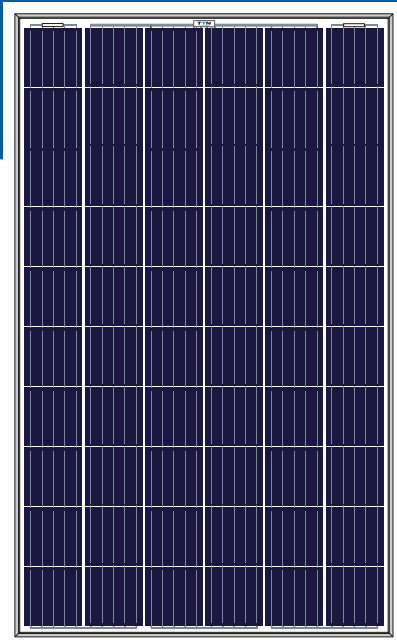


TTN-270-280P60

Polycrystalline Solar Module



APPLICATIONS

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

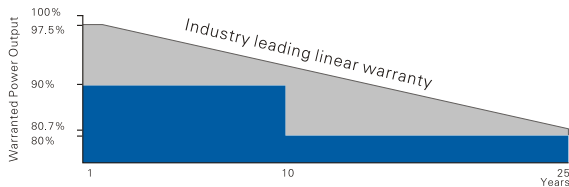


60 CELL Series

10 YEAR Product Warranty

25 YEARS Linear Warranty

Premium Performance Warranty

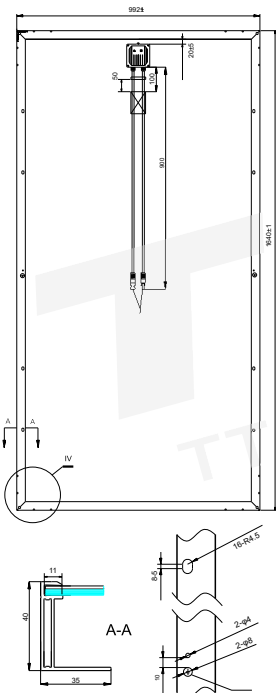


Electrical data

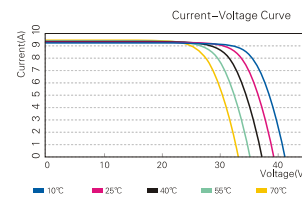
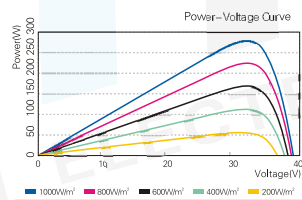
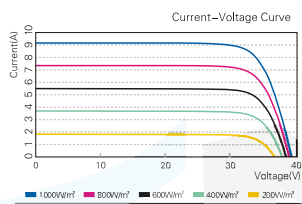
	270Wp	275Wp	280Wp
Nominal Power Watt Pmax(Wp)	270Wp	275Wp	280Wp
Power Output Tolerance Pmax(W)	0/+5	0/+5	0/+5
Maximum Power Voltage Vmp(V)	31.29V	31.61V	31.93V
Maximum Power Current Imp(A)	8.63A	8.7A	8.77A
Open Circuit Voltage Voc(V)	38.27V	38.41V	38.57V
Short Circuit Current Ioc(A)	9.21A	9.29A	9.37A
Module Efficiency η (%)	16.59%	16.90%	17.21%
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 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 ² , 900mm
Connectors	MC4-compatible

Established in 1994