



# TN-60-6P

## 230/235/240/245/250

### ■ Company profile







TN SOLAR was founded in 2006 and is located in Taiyuan High-tech industry zone. Our company employs more than 120 senior engineers and professional technicians, those specialists are engaged in solar energy research and development.

TN SOLAR can supply 200MW Monocrystalline wafers, 100MW solar cells and 100MW high quality PV modules per year which have been exported to many countries.



### ■ Module brief introduction

TN SOLAR modules are made of high efficient polycrystalline solar cells, they are also equipped with low iron tempered glass, anti-aging EVA, high flame resistant back sheet and anodized aluminium alloy. Our modules are guaranteed with a long service life, have a high wind and hail impact resistance and are easy to install.

-  Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa
-  Guaranteed power output (0~±3%)
-  High performance under low light conditions (Cloudy days, morning and evening)
-  High salt mist and ammonia resistance
-  Exceptional module conversion efficiency of up to 16.4% through NEW manufacturing process
-  Manufactured according to International Quality and Environment Management System (ISO9001,ISO14001)



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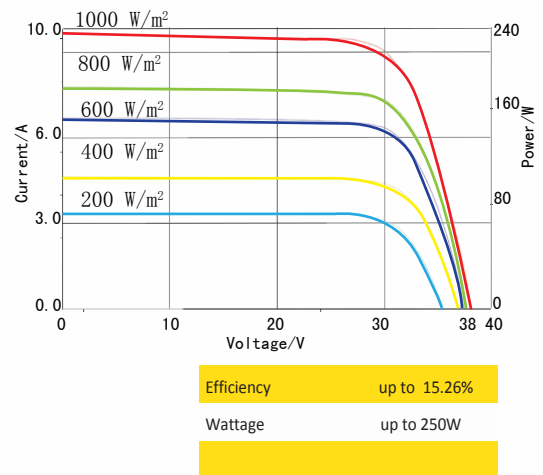
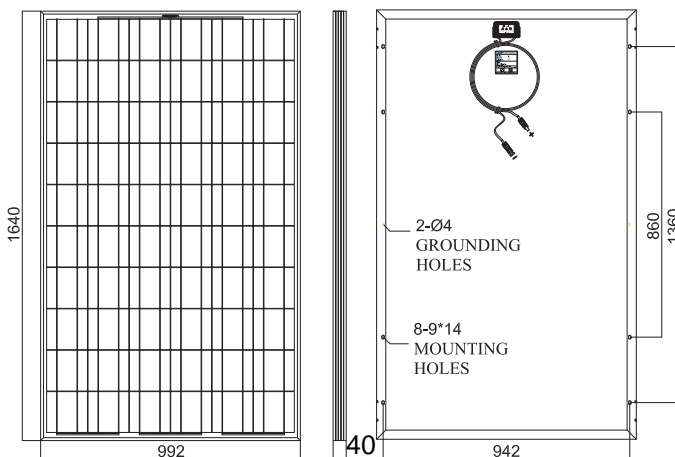
## 230/235/240/245/250

### Specifications

Model	TN-60-6P230	TN-60-6P-235	TN-60-6P240	TN-60-6P245	TN-60-6P250
Maximum power (Pmax)	230W	235W	240W	245W	250W
Voltage at max. power (Vmp)	29.4V	29.7V	30.0V	30.1V	30.5V
Current at max. power (Imp)	7.84A	7.90A	8.01A	8.12A	8.21A
Open Circuit Voltage (Voc)	37.1V	37.2V	37.5V	38.0V	38.5V
Short Circuit Current (Isc)	8.34A	8.66A	8.80A	8.99A	9.15A
Tolerance	±3%				
Solar Cells	Polycrystalline 156*156mm				
No. of Cells	60cells(6*10)				
Module Dimension	1640*992*40mm				
Weight	23KG				
Glass	High transparency solar glass 4.0mm				
frame	Anodized aluminium alloy				
J-Box	IP 65 rated				
Cables/Connector	Photovoltaic Technology cable 4.0mm <sup>2</sup>				
Operational Temperature	-40~+85℃				
Max System Voltage	600V(uL)/1000V(IEC)DC				
Max Series Ruse Rating	15A				
Normal Operating Cell Temperature	45℃ (±3℃)				
Temperature Coefficient of P <sub>MPP</sub>	-0.45%/℃				
Temperature Coefficient of V <sub>OC</sub>	-0.35%/℃				
Temperature Coefficient of I <sub>SC</sub>	0.05%/℃				

STC: Irradiance 1000W/m<sup>2</sup> Module Temperature 25°C AM=1.5

### Dimensions and IV-Curves



### Packaging and Certificates



10 years workmanship warranty  
 12 years warranty 90%power output  
 25 years warranty 80%power output