



**TALESUN**

Member of ZHONGLI SCI-TECH GROUP

# TP660M

Peak Power: 230–260 Wp



## Module characteristics:

- Positive only power tolerance: 0 to +3 %
- High mechanical load strength:  
Product to withstand high wind loads (2400 Pa) and high snow loads (5400 Pa) in accordance with IEC 61215
- Fully automated production line:
  - Better soldering
  - Better cell spacing tolerance:  $\pm 0.3$  mm
  - Better and more consistent product quality

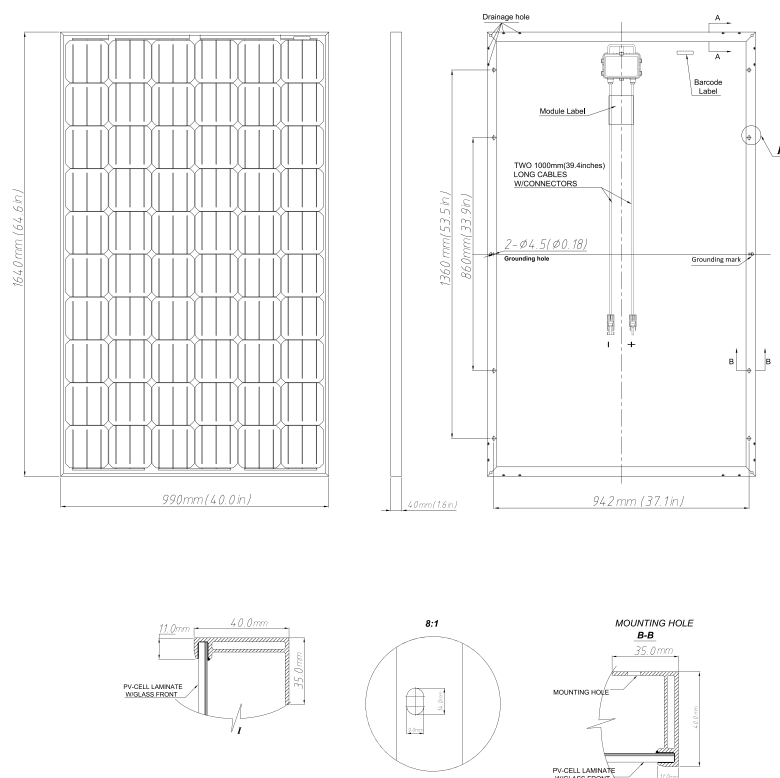
## Electrical parameters\*:

MODEL	230	235	240	245	250	255	260
Maximum rated power at STC (Pmax)	230W	235W	240W	245W	250W	255W	260W
Voltage at maximum power (Vmp)	29.5V	29.6V	29.9V	30.1V	30.1V	30.4V	30.8V
Current at maximum power (Imp)	7.80A	7.90A	8.06A	8.21A	8.35A	8.38A	8.40A
Open circuit voltage (Voc)	36.8V	37.0V	37.2V	37.4V	37.7V	37.9V	38.2V
Short circuit current (Isc)	8.45A	8.54A	8.62A	8.69A	8.78A	8.81A	8.83A
Module efficiency $\eta$ (%)	14.2	14.5	14.8	15.1	15.4	15.7	16.0
Power tolerance	0 to +3 %						
Temperature coefficient	Pmax	-0.45 % / °C					
	Voc	-0.35 % / °C					
	Isc	+0.05 % / °C					
	NOCT	45 $\pm$ 2 °C					

\* STC: 1000 w/m<sup>2</sup>, 25 °C, AM 1.5



## Technical drawings:



## Dimensions:

Cell type	Mono Crystalline
Cell dimensions	156×156 mm (6 inch)
Cell arrangement	6 × 10 (60)
Weight	20 kg
Module dimensions	1640×990×40 mm
Cable length	1000 mm
Cable cross section size	4 mm <sup>2</sup>
No. of bypass diodes	6
Packing configuration	25 per pallet
Frame	Anodized Aluminium Alloy
Junction box	IP 65 rate

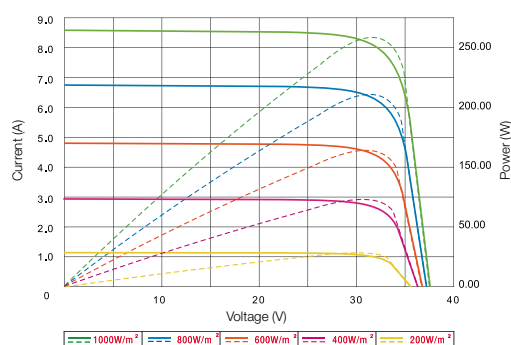
## Operating conditions:

Maximum system voltage	1000 VDC (IEC)
Operating temperature	-40 °C to +85 °C
Maximum series fuse	15 A
Static loading	5400 Pa
Conductivity at ground	0.1 Ω
Safety class	II
Resistance	≥ 100 MΩ
Connector	MC4

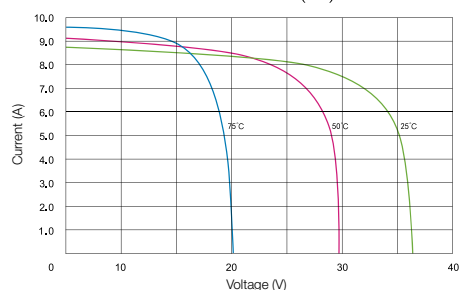
## I-V curve:

Output under different radiation and temperature conditions.

Electrical performance (cell temperature: 25°C)



TP660M Pm(W)250



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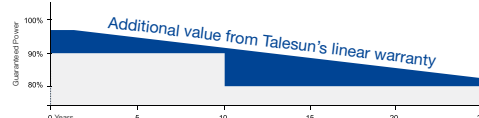
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## Warranty:

Product Quality Warranty: 10 years



Power warranty – performance as set forth below:

- During the first year, Talesun guarantees the actual power output of the module will be no less than 97% of the labeled power output.
- From year 2 to year 24, the actual annual power decline will be no more than 0.7%; by the end of year 25, the actual power output will be no less than 80% of the labeled power output.

**25 year insurance-based guarantee\* to ensure our product and power output warranty (with non cancelable term).**

\* Valid for claims exceeding an amount of 100,000 \$ per case. Please visit [www.talesun.com](http://www.talesun.com) for further information.

## Certifications & Standards:

IEC 61215 · IEC 61730 · UL 1703