



**TALESUN**

Member of ZHONGLI SCI-TECH GROUP

# TP660P

Peak Power: 235–250 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



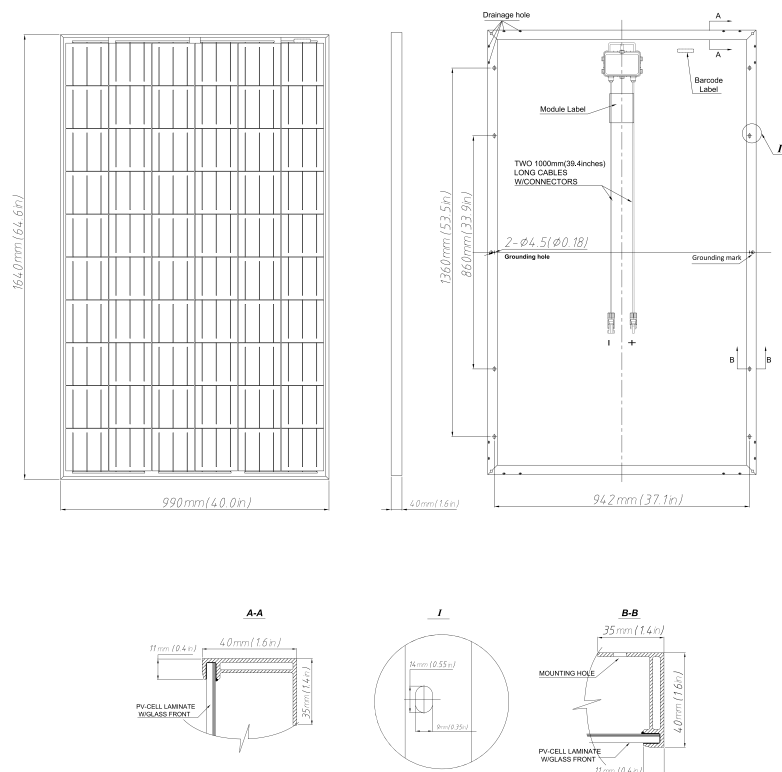
## Electrical parameters\*:

MODEL	235	240	245	250
Maximum rated power at STC (Pmax)	235W	240W	245W	250W
Voltage at maximum power (Vmp)	29.5V	29.7V	30.1V	30.3V
Current at maximum power (Imp)	7.97 A	8.08A	8.14 A	8.25A
Open circuit voltage (Voc)	36.8V	36.9V	37.1V	37.3V
Short circuit current (Isc)	8.59A	8.62A	8.65A	8.69A
Module efficiency $\eta$ (%)	14.5	14.8	15.1	15.4
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	Poly Crystalline
Cell dimensions	156x156 mm (6 inch)
Cell arrangement	6 × 10 (60)
Weight	20 kg
Module dimensions	1640x990x40 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

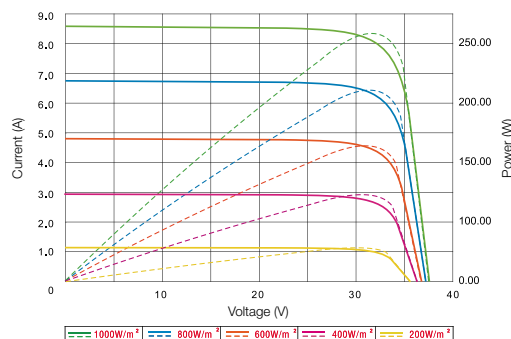
## Operating conditions:

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

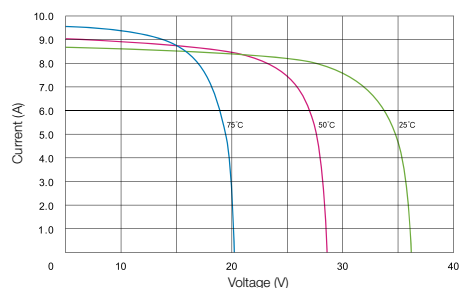
## I-V curve:

Output under different radiation and temperature conditions.

Electrical performance (cell temperature: 25°C)

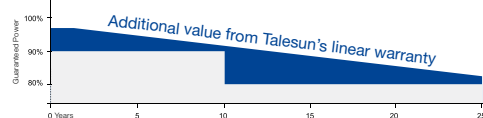


TP660P Pm(W)240



## 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