

TP672P – B

Peak Power: 270–300 Wp

Module characteristics:

- Positive only power tolerance: 0 to +3 %
- High mechanical load strength:
Product to withstand high loading pressure of 5400 Pa in accordance with IEC 61215ed.2
- Fully automated production line:
 - Better soldering / Better cell spacing tolerance: ± 0.3 mm
 - Better and more consistent product quality
- Black frame and black back sheet
- All Talesun modules have been tested and certified by TUV for ammonia resistance and salt mist corrosion.

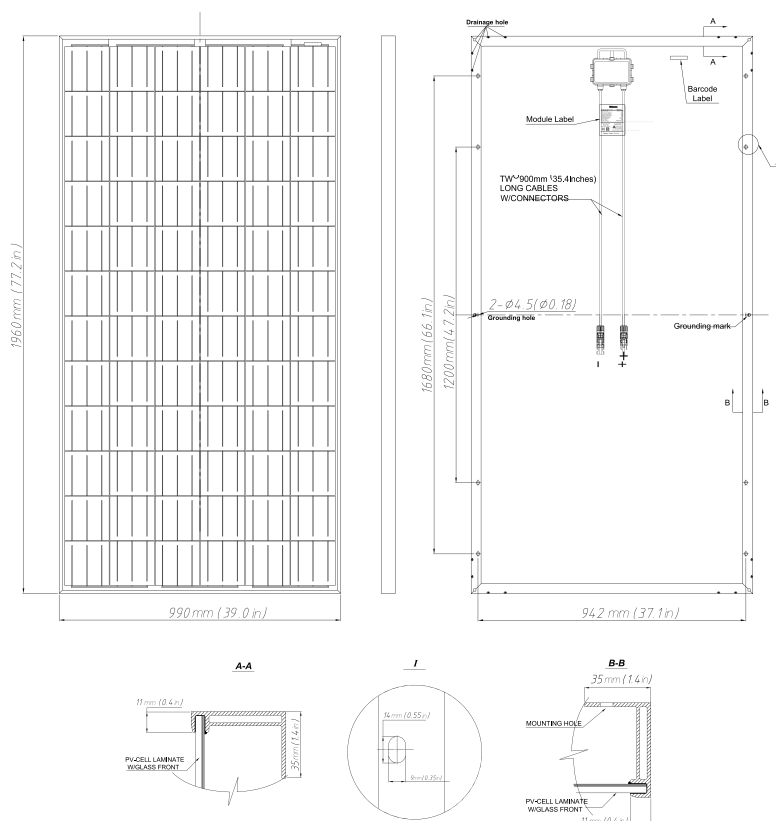


Electrical parameters*:

MODEL	270	275	280	285	290	295	300
Maximum rated power at STC (Pmax)	270W	275W	280W	285W	290W	295W	300W
Voltage at maximum power (Vmpp)	35.4V	35.5V	35.7V	35.8V	35.9V	36.0V	36.1V
Current at maximum power (Impp)	7.64A	7.76A	7.86A	7.97A	8.09A	8.22A	8.33A
Open circuit voltage (Voc)	44.3V	44.4V	44.5V	44.6V	44.7V	44.9V	45.0V
Short circuit current (Isc)	8.40A	8.49A	8.56A	8.65A	8.72A	8.80A	8.88A
Module efficiency η (%)	13.9	14.2	14.4	14.7	14.9	15.2	15.5
Power tolerance	0 to +3 %						
Temperature coefficient	Pmpp	-0.45 % / °C					
	Voc	-0.35 % / °C					
	Isc	+0.05 % / °C					
	NOCT	45 \pm 2 °C					

* STC: Standard Test Conditions at 1000 W/m², Cell temperature 25 °C, AM 1.5

Technical drawings:



Dimensions:

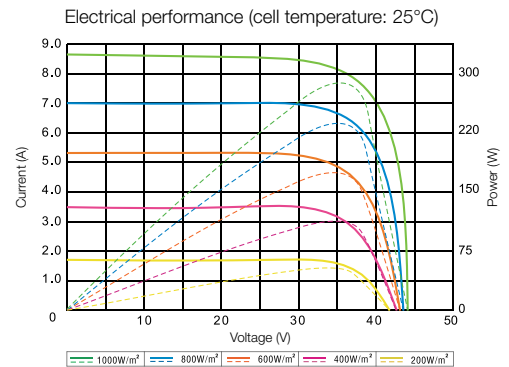
Cell type	Poly Crystalline
Cell dimensions	156×156 mm (6 inch)
Cell arrangement	6 × 12 (72)
Weight	26 kg
Module dimensions	1960×990×50 mm
Cable length	900 mm
Cable cross section size	4 mm ²
No. of bypass diodes	6
Packing configuration	25 per pallet
Frame	Anodized Aluminium, black
Junction box	IP 65 rate

Operating conditions:

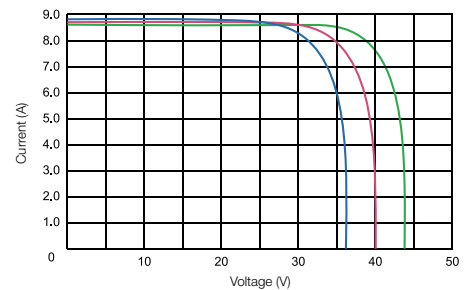
Maximum system voltage	1000 VDC (IEC)
Operating temperature	-40 °C to +85 °C
Maximum reverse current (I _R)	15 A
Static loading	5400 Pa
Conductivity at ground	0.1 Ω
Safety class	II
Resistance	≥100 MΩ
Connector	MC4 or identical in construction

I-V curve:

Output under different radiation and temperature conditions.

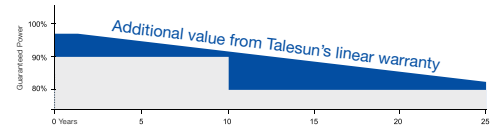


TP672P – B P_m(W)290



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).

Certifications & Standards:

- IEC 61215ed.2
- IEC 61701
- IEC 61730
- IEC 62716
- UL 1703
- ISO 9001:2008
- ISO 14001:2004
- OHSAS 18001:2007