

TP660P – B

Peak Power: 225–250 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.

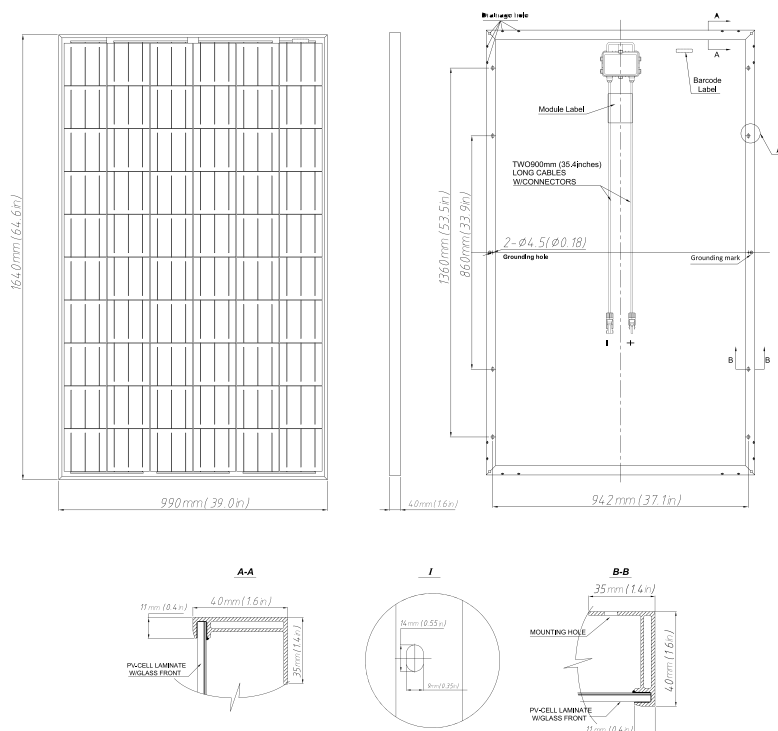


Electrical parameters*:

| MODEL | 225 | 230 | 235 | 240 | 245 | 250 |
|-----------------------------------|-----------|--------------|-------|-------|-------|-------|
| Maximum rated power at STC (Pmax) | 225W | 230W | 235W | 240W | 245W | 250W |
| Voltage at maximum power (Vmpp) | 29.9V | 30.1V | 30.2V | 30.3V | 30.4V | 30.5V |
| Current at maximum power (Impp) | 7.54 A | 7.69A | 7.83A | 7.95A | 8.07A | 8.22A |
| Open circuit voltage (Voc) | 37.0V | 37.2V | 37.3V | 37.4V | 37.5V | 37.6V |
| Short circuit current (Isc) | 8.45A | 8.58A | 8.67A | 8.80A | 8.89A | 8.97A |
| Module efficiency η (%) | 13.9 | 14.2 | 14.5 | 14.8 | 15.1 | 15.4 |
| Power tolerance | 0 to +3 % | | | | | |
| Temperature coefficient | Pmpp | -0.45 % / °C | | | | |
| | Voc | -0.35 % / °C | | | | |
| | Isc | +0.05 % / °C | | | | |
| | NOCT | 45 ± 2 °C | | | | |

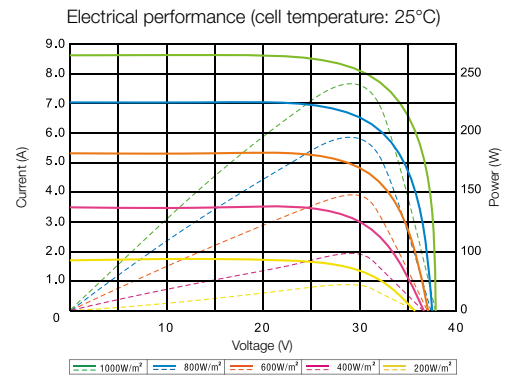
* STC: Standard Test Conditions at 1000 W/m², Cell temperature 25 °C, AM 1.5

Technical drawings:

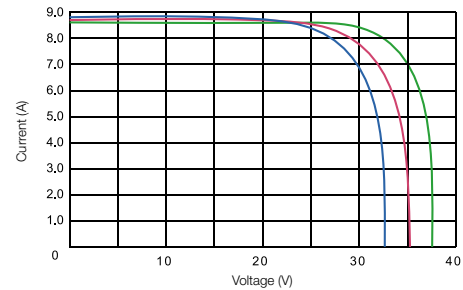


I-V curve:

Output under different radiation and temperature conditions.



TP660P-B Pm(W)240



Dimensions:

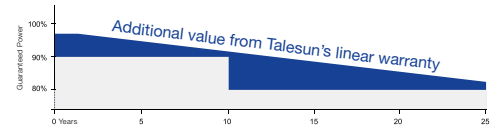
| | |
|--------------------------|---------------------------|
| Cell type | Poly Crystalline |
| Cell dimensions | 156×156 mm (6 inch) |
| Cell arrangement | 6 × 10 (60) |
| Weight | 20 kg |
| Module dimensions | 1640×990×40 mm |
| Cable length | 900 mm |
| Cable cross section size | 4 mm ² |
| No. of bypass diodes | 3/6 |
| Packing configuration | 25 per pallet |
| Frame | Anodized Aluminium, black |
| Junction box | IP 65 rate |

Operating conditions:

| | |
|---|----------------------------------|
| Maximum system voltage | 1000 V/DC (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 |

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