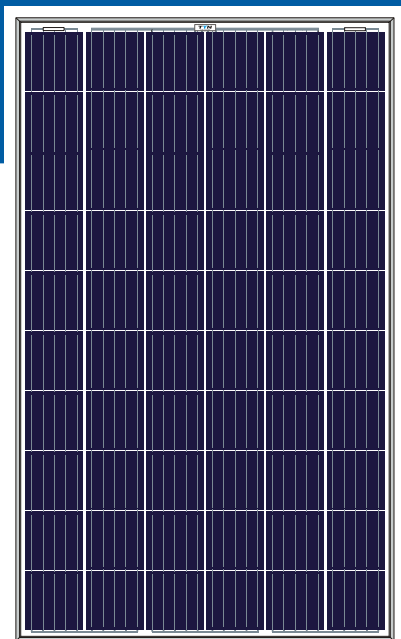


TTN-225-245P60

Polycrystalline Solar Module



APPLICATIONS

- Large terrestrial power station
- Industrial and commercial roof power generation
- Residential roof
- Off grid solar power system

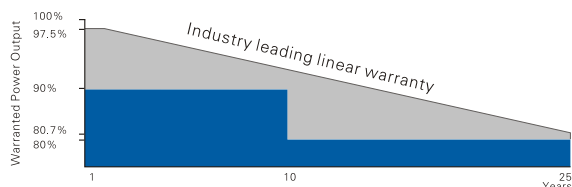


60 CELL Series

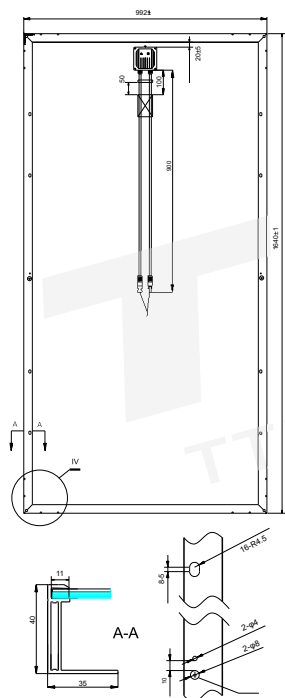
10 YEAR Product Warranty

25 YEARS Linear Warranty

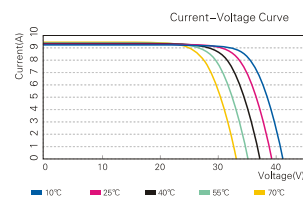
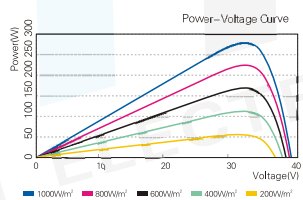
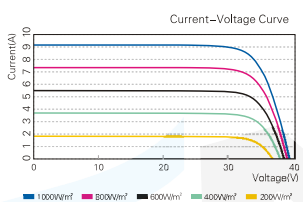
Premium Performance Warranty



Dimensions



Curve chart



Electrical data

| Nominal Power Watt Pmax(Wp) | 225Wp | 230Wp | 235Wp | 240Wp | 245Wp |
|--------------------------------|-------------------------------|--------|--------|--------|--------|
| Power Output Tolerance Pmax(W) | 0/+5 | 0/+5 | 0/+5 | 0/+5 | 0/+5 |
| Maximum Power Voltage Vmp(V) | 29.97V | 29.08V | 29.24V | 29.38V | 29.59V |
| Maximum Power Current Imp(A) | 7.51A | 7.91A | 8.01A | 8.17A | 8.28A |
| Open Circuit Voltage Voc(V) | 36.78V | 37.2V | 37.31V | 37.35V | 37.45V |
| Short Circuit Current Isc(A) | 9.13A | 9.21A | 9.29A | 9.37A | 9.37A |
| Module Efficiency η (%) | 13.83% | 14.13% | 14.44% | 14.75% | 15.05% |
| Maximum system voltage | 1000V | | | | |
| Operating temperature | -40°C to +85°C | | | | |
| NOCT | 45°C to $\pm 2^\circ\text{C}$ | | | | |
| Temperature coefficient of Isc | +0.05%/°C | | | | |
| Temperature coefficient of Voc | -0.34%/°C | | | | |
| Temperature coefficient of Pm | -0.42%/°C | | | | |

Specifications included in this datasheet are subject to change without prior notice

Mechanical data

| | |
|-------------------|---------------------------------------|
| Solar cells | Mono 156x156mm |
| Cells orientation | 60(6x10) |
| Module dimension | 1640mmx992mmx40mm |
| Weight | 18kg |
| Glass | High transparency, low iron, tempered |
| | glass 3.2mm(AR-coating) |
| Junction box | 8Ax9 diodes |
| Cables | 4mm ² , 900mm |
| Connectors | MC4-compatible |

Established in 1994