

HIPRO

TP660M **60-cell**

315 – 335W
mono perc



KEY FEATURES

Anti
PID

Excellent Anti-PID performance

2 times of industry standard Anti-PID test by TUV SUD



IP68 junction box

The highest waterproof level



Lower temperature coefficients

Enhance power generation

SYSTEM & PRODUCT CERTIFICATES

- IEC 61215 / IEC 61730 / UL 1703
- ISO 9001 : 2015 Quality Management System
- ISO 14001 : 2015 Environment Management System
- ISO 45001 : 2018 Occupational Health and Safety Management Systems

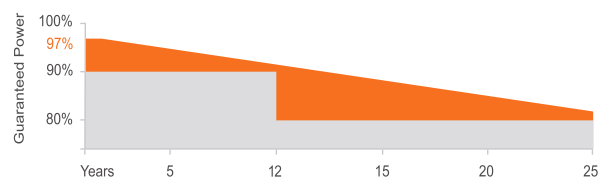


PERFORMANCE WARRANTY

12 years
Quality assurance

25 years
Power output guarantee

■ Talesun standard
■ Industry standard



ELECTRICAL PARAMETERS

Performance at STC (Power Tolerance 0 - +3%)

| | | | | | |
|--------------------------------|-------|-------|-------|-------|-------|
| Maximum Power(Pmax/W) | 315 | 320 | 325 | 330 | 335 |
| Operating Voltage(Vmpp/V) | 33.2 | 33.5 | 33.8 | 34.2 | 34.6 |
| Operating Current(Imp/A) | 9.49 | 9.56 | 9.62 | 9.66 | 9.69 |
| Open-Circuit Voltage(Voc/V) | 39.9 | 40.1 | 40.3 | 40.5 | 40.7 |
| Short-Circuit Current(Isc/A) | 10.09 | 10.16 | 10.22 | 10.26 | 10.29 |
| Module Efficiency η_m (%) | 18.9 | 19.2 | 19.5 | 19.8 | 20.1 |

Performance at NMOT

| | | | | | |
|------------------------------|-------|-------|-------|-------|-------|
| Maximum Power(Pmax/W) | 234.7 | 238.3 | 241.8 | 245.6 | 248.8 |
| Operating Voltage(Vmpp/V) | 30.6 | 30.9 | 31.2 | 31.5 | 31.8 |
| Operating Current(Imp/A) | 7.66 | 7.71 | 7.76 | 7.80 | 7.83 |
| Open-Circuit Voltage(Voc/V) | 37.2 | 37.3 | 37.5 | 37.7 | 37.8 |
| Short-Circuit Current(Isc/A) | 8.14 | 8.20 | 8.25 | 8.28 | 8.31 |

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s

MECHANICAL SPECIFICATION

| | |
|---------------------------|--|
| Cell Type | Mono-Crystalline Silicon(5Busbar) |
| Cell Dimensions | 158.75*158.75mm(6inches) |
| Cell Arrangement | 60(6*10) |
| Weight | 19.0kg(41.90lbs) |
| Module Dimensions | 1665*1002*35mm(65.55*39.45*1.38inches) |
| Cable Length | 900mm(35.43inches) |
| Cable Cross Section Size | 4mm ² (0.006inches ²) |
| Front Glass | 3.2mm High Transmission, Tempered Glass |
| No.of Bypass Diodes | 3/6 |
| Packing Configuration (1) | 30pcs/carton, 840pcs/40hq |
| Packing Configuration (2) | 30+4pcs/carton, 896pcs/40hq |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68 |

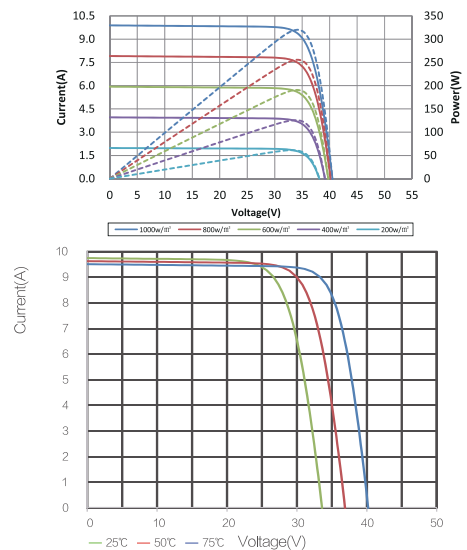
OPERATING CONDITIONS

| | |
|------------------------|-----------------------------|
| Maximum System Voltage | 1000V/DC(IEC)/1500V/DC(IEC) |
| Operating Temp | -40°C~+85°C |
| Maximum Series Fuse | 20A |
| Static Loading | 5400Pa |
| Conductivity at Ground | ≤ 0.1Ω |
| Safety Class | II |
| Resistance | ≥100MΩ |
| Connector | MC4 Compatible |

TEMPERATURE COEFFICIENT

| | |
|------------------------------|-----------|
| Temperature Coefficient Pmax | -0.39%/°C |
| Temperature Coefficient Voc | -0.30%/°C |
| Temperature Coefficient Isc | +0.05%/°C |
| NMOT | 43±2°C |

I-V CURVE



TECHNICAL DRAWINGS

