

BISTAR

TP6H60M
TP6H60M(H) **120 half-cell**

320 - 340W

half-cut mono perc
full black



KEY FEATURES



Half-cut cell technology

New circuit design, lower internal current, lower Rs loss



Significantly lower the risk of hot spot

Special circuit design with much lower hot spot temperature



Lower LCOE

2% more power generation, lower LCOE



Excellent Anti-PID performance

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



IP68 junction box

High waterproof level

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

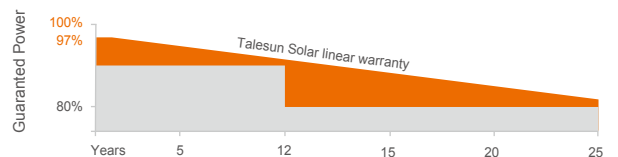


PERFORMANCE WARRANTY



Linear Performance Warranty

Standard Performance Warranty



ELECTRICAL PARAMETERS

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

| | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax/W) | 320 | 325 | 330 | 335 | 340 |
| Operating Voltage (Vmpp/V) | 33.5 | 33.8 | 34.2 | 34.6 | 35.0 |
| Operating Current (Impp/A) | 9.56 | 9.62 | 9.66 | 9.69 | 9.72 |
| Open-Circuit Voltage (Voc/V) | 40.1 | 40.3 | 40.5 | 40.7 | 40.9 |
| Short-Circuit Current (Isc/A) | 10.16 | 10.22 | 10.26 | 10.29 | 10.32 |
| Module Efficiency ηm(%) | 19.0 | 19.3 | 19.6 | 19.9 | 20.1 |

Performance at NMOT

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Maximum Power (Pmax/W) | 238 | 241 | 245 | 248 | 252 |
| Operating Voltage (Vmpp/V) | 30.9 | 31.2 | 31.5 | 31.8 | 32.1 |
| Operating Current (Impp/A) | 7.71 | 7.76 | 7.80 | 7.83 | 7.86 |
| Open-Circuit Voltage (Voc/V) | 37.3 | 37.5 | 37.7 | 37.8 | 38.0 |
| Short-Circuit Current (Isc/A) | 8.20 | 8.25 | 8.28 | 8.31 | 8.33 |

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 | Monocrystalline |
| Cell Dimensions | 158.75*158.75mm |
| Cell Arrangement | 120 (6*20) |
| Weight | 20.7kg (45.64lbs) |
| Module Dimensions | 1684*1002*35mm (66.3*39.45*1.38inches) |
| Cable Length | Portrait 300mm/Landscape 1200mm/Customized |
| Cable Cross Section Size | TUV: 4mm ² (0.006inches ²)/UL: 12AWG |
| Front Glass | 3.2mm (0.13inches) AR Coating Tempered Glass |
| No. of Bypass Diodes | 3/6 |
| Packing Configuration (1) | 31pcs/carton, 806pcs/40hq |
| Packing Configuration (2) | 31+4pcs/carton, 858pcs/40hq |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68 |

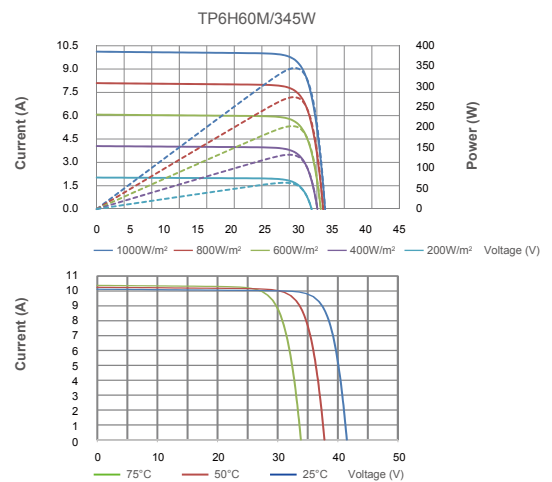
OPERATING CONDITIONS

| | |
|------------------------|--|
| Maximum System Voltage | 1000V/1500V/DC(IEC) |
| Operating Temperature | -40°C ~ +85°C |
| Maximum Series Fuse | 20A |
| Static Loading | Snow Loading: 5400Pa/ Wind Loading: 2400Pa |
| Conductivity at Ground | ≤0.1Ω |
| Safety Class | II |
| Resistance | ≥100MΩ |
| Connector | T01/LJQ-3-CSY/MC4/EV02vv |

TEMPERATURE COEFFICIENT

| | |
|------------------------------|------------|
| Temperature Coefficient Pmax | -0.36%/°C |
| Temperature Coefficient Voc | -0.26%/°C |
| Temperature Coefficient Isc | +0.043%/°C |
| NMOT | 43±2°C |

I-V CURVE



TECHNICAL DRAWINGS

