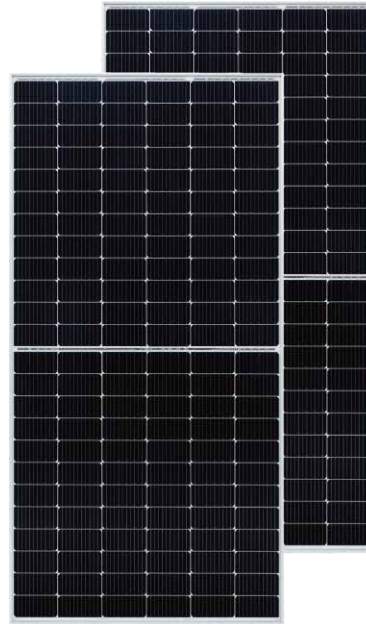


BISTAR

TP7F72M
TP7F72M(H) **144 half-cell**

530 - 550W

10BB half-cut mono perc



KEY FEATURES



10BB half-cut cell technology

New circuit design, lower internal current, lower Rs loss
Ga doped wafer, attenuation < 2% (1st year) / ≤ 0.55% (Linear)



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

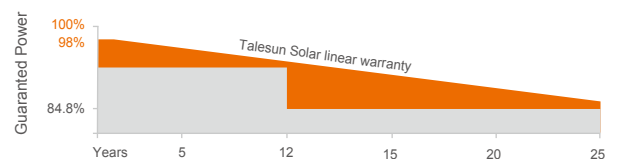
- IEC 61215 / IEC 61730 / UL 61730
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety Management Systems



PERFORMANCE WARRANTY



- Linear Performance Warranty
- Standard Performance Warranty



ELECTRICAL PARAMETERS

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

| | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax/W) | 530 | 535 | 540 | 545 | 550 |
| Operating Voltage (Vmpp/V) | 41.7 | 41.8 | 41.9 | 42.0 | 42.1 |
| Operating Current (Impp/A) | 12.71 | 12.80 | 12.89 | 12.98 | 13.07 |
| Open-Circuit Voltage (Voc/V) | 49.5 | 49.6 | 49.7 | 49.8 | 49.9 |
| Short-Circuit Current (Isc/A) | 13.44 | 13.53 | 13.62 | 13.71 | 13.80 |
| Module Efficiency η m(%) | 20.5 | 20.7 | 20.9 | 21.1 | 21.3 |

Performance at NMOT

| | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax/W) | 394 | 398 | 402 | 405 | 409 |
| Operating Voltage (Vmpp/V) | 38.8 | 38.9 | 39.0 | 39.1 | 39.2 |
| Operating Current (Impp/A) | 10.16 | 10.23 | 10.30 | 10.37 | 10.44 |
| Open-Circuit Voltage (Voc/V) | 46.3 | 46.4 | 46.5 | 46.6 | 46.7 |
| Short-Circuit Current (Isc/A) | 10.83 | 10.91 | 10.98 | 11.05 | 11.12 |

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 | 182*182mm |
| Cell Arrangement | 144 (6*24) |
| Weight | 29kg (63.9lbs.) |
| Module Dimensions | 2279*1134*35mm (89.72*44.65*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, 620pcs/40hq |
| Packing Configuration (for USA) | 30pcs/carton, 600pcs/40hq |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68 |

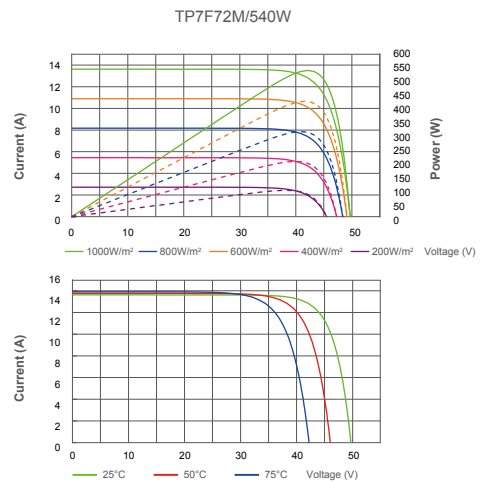
OPERATING CONDITIONS

| | |
|------------------------|--|
| Maximum System Voltage | 1000V/1500V/DC(IEC) |
| Operating Temperature | -40°C ~ +85°C |
| Maximum Series Fuse | 25A |
| Static Loading | Snow Loading: 5400Pa/ Wind Loading: 2400Pa |
| Conductivity at Ground | ≤0.1Ω |
| Safety Class | II |
| Resistance | ≥100MΩ |
| Connector | T01/LJQ-3-CSY/MC4/MC4-EVO2 |

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

