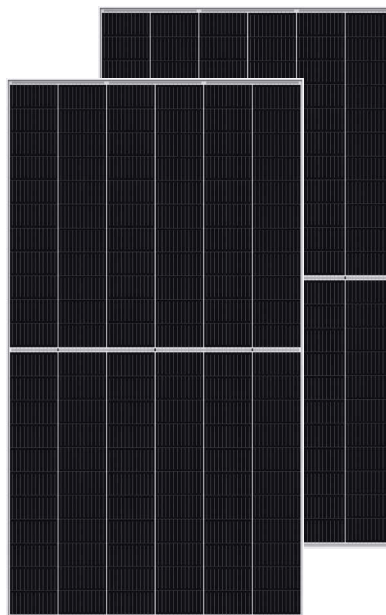


BISTAR

TP8F66M
TP8F66M(H) **132 half-cell**

645 - 665W

12BB half-cut mono perc



KEY FEATURES



12BB 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

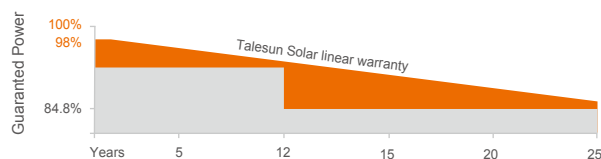


PERFORMANCE WARRANTY



Linear Performance Warranty

Standard Performance Warranty



ELECTRICAL PARAMETERS

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

| | | | | | |
|--------------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax/W) | 645 | 650 | 655 | 660 | 665 |
| Operating Voltage (Vmpp/V) | 37.6 | 37.8 | 38.0 | 38.2 | 38.4 |
| Operating Current (Impp/A) | 17.16 | 17.20 | 17.24 | 17.28 | 17.32 |
| Open-Circuit Voltage (Voc/V) | 45.0 | 45.2 | 45.4 | 45.6 | 45.8 |
| Short-Circuit Current (Isc/A) | 18.22 | 18.26 | 18.30 | 18.34 | 18.38 |
| Module Efficiency $\eta_m(\%)$ | 20.8 | 20.9 | 21.1 | 21.3 | 21.4 |

Performance at NMOT

| | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax/W) | 479 | 483 | 486 | 490 | 494 |
| Operating Voltage (Vmpp/V) | 35.1 | 35.3 | 35.5 | 35.7 | 35.9 |
| Operating Current (Impp/A) | 13.63 | 13.67 | 13.70 | 13.74 | 13.77 |
| Open-Circuit Voltage (Voc/V) | 42.4 | 42.6 | 42.8 | 43.0 | 43.2 |
| Short-Circuit Current (Isc/A) | 14.65 | 14.68 | 14.71 | 14.74 | 14.78 |

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 | 210*210mm |
| Cell Arrangement | 132 (6*22) |
| Weight | 34.5kg (76.06lbs.) |
| Module Dimensions | 2384*1303*35mm (93.86*51.30*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, 527pcs/40hq |
| Packing Configuration (for USA) | 31pcs/carton, 496pcs/40hq |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68 |

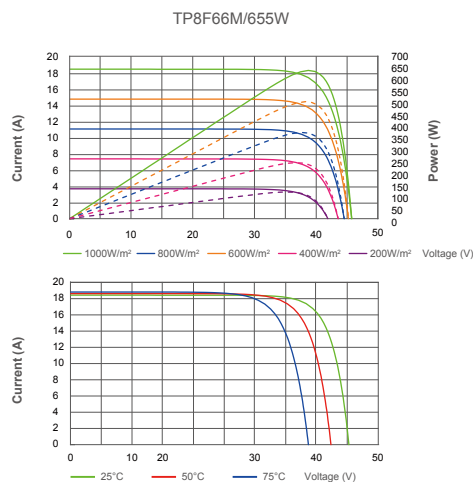
OPERATING CONDITIONS

| | |
|------------------------|--|
| Maximun System Voltage | 1000V/1500V/DC(IEC) |
| Operating Temperature | -40°C ~ +85°C |
| Maximun Series Fuse | 30A |
| Static Loading | Snow Loading: 5400Pa/ Wind Loading: 2400Pa |
| Conductivity at Ground | ≤0.1Ω |
| Safety Class | II |
| Resistance | ≥100MΩ |
| Connector | PV-02/LJQ-3/LJQ-3-CSY/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

