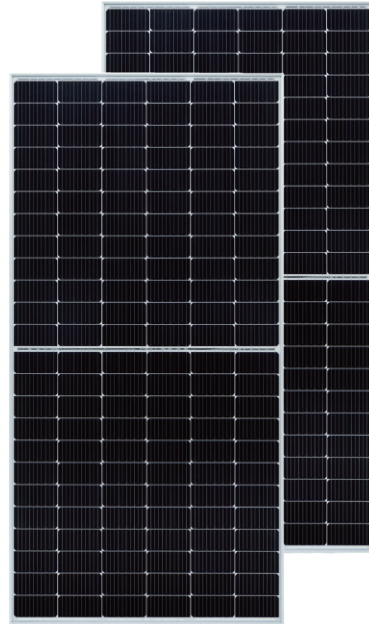


BISTAR

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

525 - 550W

10BB half-cut mono perc



KEY FEATURES



10BB 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



Anti
PID

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

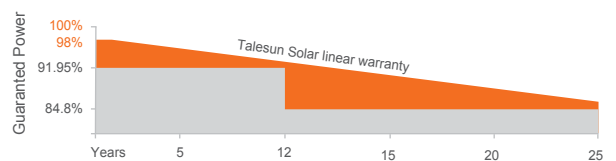


PERFORMANCE WARRANTY

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)	525	530	535	540	545	550
Operating Voltage (Vmpp/V)	40.6	40.8	41.0	41.2	41.4	41.6
Operating Current (Impp/A)	12.94	13.00	13.05	13.11	13.17	13.23
Open-Circuit Voltage (Voc/V)	48.8	49.0	49.2	49.4	49.6	49.8
Short-Circuit Current (Isc/A)	13.71	13.76	13.81	13.87	13.93	13.99
Module Efficiency η m(%)	20.2	20.4	20.6	20.8	21.0	21.2

Performance at NMOT

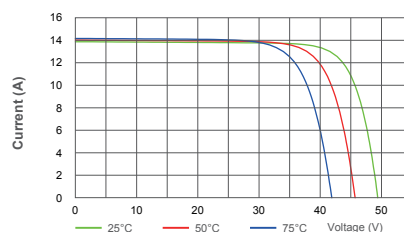
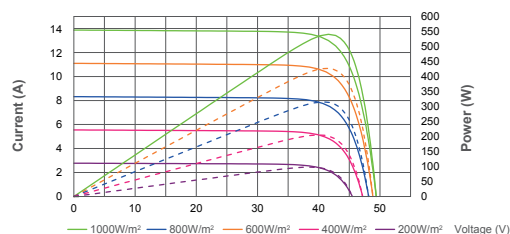
Maximum Power (Pmax/W)	391.6	395.4	398.9	402.7	406.6	410.5
Operating Voltage (Vmpp/V)	37.8	38.0	38.2	38.4	38.6	38.8
Operating Current (Impp/A)	10.35	10.40	10.44	10.49	10.54	10.58
Open-Circuit Voltage (Voc/V)	45.7	45.9	46.1	46.3	46.4	46.6
Short-Circuit Current (Isc/A)	11.05	11.09	11.13	11.18	11.23	11.28

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 (10Busbar)
Cell Dimensions	182*182mm (7inches)
Cell Arrangement	144 (6*24)
Weight	29kg (63.9lbs.)
Module Dimensions	2286*1135*35mm (90*44.68*1.38inches)
Cable Length (Portrait)	(+)300mm (11.81inches) / (-)300mm (11.81inches)
Cable Length (Landscape)	(+)1200mm (47.24inches) / (-)1200mm (47.24inches)
Cable Cross Section Size	4mm ² (0.006inches ²)
Front Glass	3.2mm (0.13inches) High Transmission, Tempered AR Glass
No. of Bypass Diodes	3/6
Packing Configuration(1)	31pcs/carton, 620pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

I-V CURVE



OPERATING CONDITIONS

Maximum System Voltage	1000V/1500V/DC(IEC)
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse	25A
Static Loading	5400pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	MC4 Compatible

TEMPERATURE COEFFICIENT

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

TECHNICAL DRAWINGS

